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PHOTOGRAPHIC INTERPRETATION REPORT



KH-7 MISSION 4037
23-30 MAY 1967

PART II

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NGA/DoD

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KH-7 MISSION 4037, 23-30 MAY 67

TOP SECRET

TABLE OF CONTENTS

PREFACE	2
TRACK OF MISSION	3
HIGHLIGHTS	9
MISSILES	17
AIR FACILITIES	63
NUCLEAR ENERGY	68
NAVAL ACTIVITY/PORTS	70
BIOLOGICAL/CHEMICAL WARFARE	72
ELECTRONICS/COMMUNICATIONS	73
MILITARY ACTIVITY	74
COMPLEXES	76
INDEX OF TARGETS	77
ATTACHMENTS	APPENDIX

FOR TRACK MAPS FOR THIS MISSION, NORMALLY ON PAGES 3-8, SEE

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

PREFACE

THIS IS THE SECOND OF TWO OAK REPORTS ON MISSION 4037 COVERING THE HIGHEST PRIORITY COMOR TARGETS NOT REPORTED IN THE MIDDLE OR FAR EAST EDITIONS. [REDACTED] FOR THE MIDDLE EAST TARGETS AND [REDACTED] FOR THE HIGHEST PRIORITY FAR EAST COMOR TARGETS. A LISTING OF COMOR TARGET CATEGORIES APPEARS ON THE INSIDE OF THE FRONT COVER.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES. COUNTRY CODE ABBREVIATIONS ARE PRINTED ON THE INSIDE OF THE BACK COVER PAGE.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS, SUFFIXED WITH A FOR ASCENDING AND D FOR DESCENDING, ARE LISTED FIRST, FOLLOWED BY FRAMES WHICH ARE INDICATED BY THE FRAME NUMBER WITH AN INDEX NUMBER RUNNING CONSECUTIVELY FROM THE BEGINNING OF EACH PASS -- 4/8 FOR EXAMPLE, MEANS FRAME 4, INDEX 8. UNIVERSAL REFERENCE GRID COORDINATES FOR NEW TARGETS ARE GIVEN IN PARENTHESIS AFTER THE INDEX NUMBER TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMI DARKNESS), D (DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), AND GR (GROUND RESOLUTION).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), PS (PARTIAL STEREO), OR NS (NON-STEREO).

THE INITIAL SCAN OF THE PHOTOGRAPHY IS ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

TOP SECRET

Highlights

KH-7 MISSION 4037, 23-30 MAY 67 25X

HIGHLIGHTS

1. MISSILE ACTIVITY

CONSIDERABLE ACTIVITY IS EVIDENT AT THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER. ERECTED SS-1 SCUD MISSILES ARE OBSERVED IN THE SRBM TRAINING AREA AND ERECTED SS-4, SS-5, AND PROBABLE SS-3 MISSILES ARE OBSERVED IN LAUNCH COMPLEX C. A PROBABLE LOADING EXERCISE IS UNDERWAY AT THE NORTHEAST SILO AT LAUNCH SITE 4C-1. LAUNCH SITE 6C CAN BE CONFIRMED AS CONTAINING THREE 20-FT DIAMETER SILOS. A SAMLET/SALISH CRUISE-MISSILE IS OBSERVED IN LAUNCH COMPLEX D.

FOUR TYPE IIID LAUNCH SITES ARE NEWLY IDENTIFIED AT THE KOSTROMA ICBM COMPLEX. THESE 4 SITES WITH THE CONFIRMATION OF SITE 13 AND THE 7 PROBABLE NEW SITES IDENTIFIED ON [] FILL OUT LAUNCH GROUPS I AND K. 25X

AT LAUNCH SITE 17C IN THE IMENI GASTELLO ICBM COMPLEX, THE L-SHAPED ELECTRONIC FACILITY APPEARS ABANDONED. THE FENCE LINE HAS BEEN CHANGED AND NO LONGER INCLUDES THE FACILITY. HOWEVER, THE COMPLEX IS ACTIVE WITH A MISSILE ERECTOR/LOADER AND 2 MISSILE TRANSPORTING DOLLIES PARKED IN FRONT OF A SILO.

THREE TYPE IIID SITES ARE NEWLY IDENTIFIED AT KOZELSK. ONE SITE FILLS OUT LAUNCH GROUP I, ANOTHER IS THE THIRD SITE IN LAUNCH GROUP J, AND THE THIRD SITE IS LOCATED AT THE TRANSFER POINT.

AT THE PLESETSK MISSILE AND SPACE CENTER, CONSTRUCTION CONTINUES ON SINGLE SILO LAUNCH SITE 17 AND, ALTHOUGH THE SILO HEADWORKS ARE CIRCULAR, THE SITE IS CONSIDERABLY DIFFERENT FROM TYPE IIID FACILITIES. BECAUSE OF THIS, THE SINGLE SILOS AT PLESETSK WILL NO LONGER BE REFERRED TO AS TYPE IIID SITES. A SINGLE SILO (DESIGNATED SITE 24) IN AN EARLY STAGE OF CONSTRUCTION IS NEWLY IDENTIFIED APPROXIMATELY 1,000 FT EAST OF SITE 23. AT LAUNCH SITE 15, A PROBABLE ELECTRONIC FACILITY IS SUPERIMPOSED ON THE SITE.

LAUNCH SITES 19 AND 20 AT THE ALEYSK ICBM COMPLEX CONTINUE TO DISPLAY ABNORMAL CONSTRUCTION TECHNIQUES. THERE ARE NOW BRACING MEMBERS IN THE SILO CORING FORMING AN H-SHAPED PATTERN. AT EACH SITE, A PIPE RUNS FROM THE CORING TO A SMALL NEARBY STRUCTURE.

AT THE YEDROVO ICBM COMPLEX, 11 TYPE IIID SITES ARE NEWLY IDENTIFIED. THESE SITES SUBSTANTIATE THE EXISTENCE OF 4 LAUNCH GROUPS AT THIS COMPLEX. AT LAUNCH SITE 11, A DOUBLE SECURITY FENCE CUTS OFF THE UNFINISHED TERMINALS OF THE L-SHAPED ELECTRONIC FACILITY WHICH IS APPARENTLY ABANDONED.

KH-7 MISSION 4037, 23-30 MAY 67

THE CURRENT NUMBER OF ICBM LAUNCHERS AT THE 24 KNOWN DEPLOYED COMPLEXES (THE FIGURES SHOWN IN PARENTHESIS INDICATE THE NUMBER OF POSSIBLE LAUNCHERS AND ARE NOT INCLUDED IN THE TOTALS) IS AS FOLLOWS --

TYPE IIIC	177 (1)
TYPE IIID	496 (3)
SUBTOTAL	673 (4)

OTHER LAUNCHERS 209

TOTAL 882 (4)

IT SHOULD BE NOTED THAT THE SSM LAUNCHERS AT THE PLESETSK MISSILE AND SPACE CENTER ARE NO LONGER CARRIED IN NPIC TOTALS. TABLE 1 REFLECTS THIS CHANGE.

THE ANTIPINSKOYE SAM TRAINING FACILITY SHOWS CONSIDERABLE TRAINING ACTIVITY. THIS IS UNUSUAL BECAUSE ALL PREVIOUS TRAINING ACTIVITY HAS OCCURED DURING THE WINTER MONTHS.

A TOTAL OF 12 MISSILES ASSOCIATED WITH THE PROBABLE LONG RANGE SAM SYSTEM IS SEEN AT LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER AND 4 AT THE PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2. NO SIGNIFICANT CHANGES IN INTERPRETATION REGARDING MISSILE CONFIGURATION CAN BE MADE AT THIS TIME. NEWLY IDENTIFIED ACTIVITY ASSOCIATED WITH LAUNCH SITES 5 AND 6 AND ELECTRONIC SITE C, LAUNCH COMPLEX A, PROBABLY INDICATES THESE FACILITIES ARE BEING READIED FOR PARTICIPATION IN A TEST OR TRAINING PROGRAM INVOLVING THE PROBABLE LONG RANGE SAM SYSTEM.

2. AIR ACTIVITY

AT THE RAMENSKOYE FLIGHT TEST CENTER, 16 DELTA-WING AIRCRAFT 60 FT IN LENGTH WITH A WING SPAN OF [] ARE OBSERVED. THEY APPEAR SIMILAR TO THOSE IDENTIFIED BY THE FOREIGN TECHNOLOGY DIVISION AT NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153 AS NEW GENERATION AIRCRAFT ON [] AN UNIDENTIFIED AIRCRAFT, [] CONFIGURED SIMILAR TO A FISHPOT IS ALSO OBSERVED. TWO DELTA-WING AIRCRAFT, 70 FT IN LENGTH WITH A WING SPAN OF [] APPEAR TO BE SIMILAR TO THE TWO NEW GENERATION AIRCRAFT REPORTED IN [] AT THE AKTUBINSK/VLADIMIROVKA AIRFIELD.

A DELTA-WING AIRCRAFT SIMILAR TO THE ONE AT RAMENSKOYE IS OBSERVED AT THE GORKIY/SORMOVO AIRFIELD.

FIVE DELTA-WING AIRCRAFT APPROXIMATELY 60 FT IN LENGTH ARE

~~TOP SECRET~~

KH-7 MISSION 4037, 23-30 MAY 67

AT THE NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153. THESE ALSO
APPEAR SIMILAR TO THE AIRCRAFT OBSERVED AT RAMENSKOYE.

THIRTEEN BEAR B ARE OBSERVED AT THE KIPELOVO AIRFIELD. THIS IS
THE FIRST IDENTIFICATION OF BEAR B AT THIS FIELD.

AT THE AKTUBINSK/VLADIMIROVKA AIRFIELD, ONE BEAR C IS VISIBLE
LOADED WITH A KANGAROO AIR-TO-SURFACE MISSILE. IN ADDITION,
TWO OF THE AIRCRAFT OBSERVED ARE SIMILAR TO THE NEW GENERATION
AIRCRAFT REPORTED IN

THIS MISSION PROVIDES THE FIRST KEYHOLE IMAGERY OF THE FIDDLER B
AIRCRAFT AND THE ASH (AA-5) AIR-TO-AIR MISSILE. THE AIRCRAFT
AND MISSILE ARE OBSERVED AT VORONEZH SW AIRFIELD AND VORONEZH
AIRCRAFT ASSEMBLY PLANT 64. THE FIDDLER B IS ALSO OBSERVED
AT ARCHANGELSK/TALAGI AIRFIELD, BUT THE AAM-TYPE CANNOT BE
IDENTIFIED.

4. NAVAL ACTIVITY

AT SEVERODVINSK SHIPYARD 402, THE U-CLASS SSBN REMAINS AT THE
FITTING-OUT QUAY, AN UNIDENTIFIED LARGE SUBMARINE IS IN THE
LAUNCH BASIN (LAUNCH WAY 5), A KRESTA-CLASS DLG IS MOORED IN
THE WEST BASIN AT THE MISSILE LOADING AREA, AND A SVERDLOV-CLASS
CL IS MEDITERRANEAN-MOORED AT THE WEST BASIN.

TWO J-CLASS SSGN AND A NEW-CLASS SS ARE IN THE FITTING-OUT
AREA AT GORKIY SHIPYARD 112. CONSTRUCTION OF THE NEW BUILDING
CONTINUES.

5. GROUND ACTIVITY

A TACTICAL SSM SUPPORT FACILITY IS NEWLY IDENTIFIED 12.5 NM
SW OF KALININGRAD AND CONTAINS AN
1 EARTH-COVERED, ARCH-ROOFED MISSILE STORAGE
BUILDING AND 1 ARCH-ROOFED MISSILE STORAGE BUILDING UNDER
CONSTRUCTION.

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KH-7 MISSION 4037, 23-30 MAY 67 []

SOVIET MILITARY ACTIVITY APPEARS TO HAVE BEEN GREATLY INCREASED IN MONGOLIA WITH THE IDENTIFICATION OF A PROBABLE SOVIET MILITARY BARRACKS AND STORAGE FACILITY AT ULAAN BAATAR AND A PROBABLE SOVIET TENT CAMP AND POSSIBLE BARRACKS UNDER CONSTRUCTION AT CHOYBALSAN. THE MOST SIGNIFICANT EQUIPMENT OBSERVED AT ULAAN BAATAR IS THE IDENTIFICATION OF 4 SSCM TRANSPORTERS/LAUNCHERS SEMITRAILERS, 18 SA-2 TRANSPORTERS, 6 SA-2 LAUNCHERS, 50 APC, 11 TANKS/ASSAULT GUNS, AND 6 FA PIECES.

STATUS OF TARGET READOUT

THIS OAK REPORTS ON 65 COMOR TARGETS, 1 NON-COMOR TARGET, AND 1 BONUS TARGET.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON THIS MISSION AND NPIC CURRENT MISSILE LISTINGS IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

- TABLE 1 -- SOVIET ICBM DEPLOYMENT
- TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
- TABLE 3 -- SAM AND ABM DEPLOYMENT
- TABLE 4 -- DEPLOYED PROBABLE LONG RANGE SAM COMPLEXES
- TABLE 5 -- DATE/TIME OF PHOTOGRAPHIC PASSES

TOP SECRET

25X

25X

KH-7 MISSION 4037, 23-30 MAY 1967

TABLE 1. DEPLOYED ICBM COMPLEXES, TYURATAM MTC AND PLESETSK MSC

COMPLEX	TYPE II		TYPE III		TYPE IIIC		TYPE IIID		New Positions This Mission		Total Launch Positions	Launch Groups Identified		Estimated Start of Latest Group
	A-D		A&B									L-Electronic Facilities		
	Sites Launchers		Sites Launchers		Sites (Launchers)	Complete	Sites (Launchers)	Complete	IIIC	IIID		IIIC	IIID	
☆ ALEYSK					19	6					19	3	2	Jul 66
☆ DOMBAROVSKIY					37	12					37	6	4	Dec 66
☆ DROVYANAYA	3	3	6	9			51	34			66		5	Jun 66
GLADKAYA	2	1	4	3			61	50			68		6	Mar 66
☆ IMENI GASTELLO					25	17					25	4	2	Jun 66
ITATKA	3		6								6			
☆ KARTALY					29	12					29	5	3	Dec 66
☆ KOSTROMA	6	12	1	3			30*			9*	45		3	Feb 67
☆ KOZELSK	3	6	2	6			34			3	46		4	Feb 67
☆ NOVOSIBIRSK	3	6	2	6							12			
☆ OLOVYANNAYA			3	9			81	38			90		8	Apr 66
☆ OMSK			1	3							3			
☆ PERM	5	10	1	3			41	39			54		4	Apr 66
SHADRINSK			3	9							9			
☆ SVOBODNYI	7	14	1	3			49(1#)				66(1#)		5	Jan 67
☆ TATISHCHEVO							111(1#)	49			111(1#)		11	Jul 66
TEYKOVO	6	12									12			
☆ TYUMEN	2	4									4			
☆ UZHUR					42(1#)	18					42(1#)	7	4	Jan 67
VERKHNYAYA SALDA	7	14	2	6							20			
☆ YEDROVO	6	12	2	6			38 (1#)**			13 (1#)**	56(1#)		4	Feb 67
☆ YOSHKAR-OLA	6	12									12			
☆ YURYA	8	16	3	9							25			
☆ ZHANGIZ-TOBE					25	12					25	4	3	Aug 66
TOTALS	67	134	25	75	177(1)	77	496(3#)	210		25(1#)	882(4#)	29	18	9

★ TYURATAM MTC	2	6	3	9	9	6	11	11	60 total launchers includes 8 other single silos and 17 SSM R&D/Space Launch Positions.					
★ PLESETSK MSC	4	8	1	3					39 total SSM Launch Positions -- includes 8 Type I, 7 other Type II, 10 other Type III, and 3 U/I (sites 12 & 16).					

★ Covered This Mission (#) Possible The Possible Sites Are Not Included In The Total Count

*Total Includes 7 Sites Identified On [REDACTED] **Total Includes 3 Sites Identified On [REDACTED]

KH-7 MISSION 4037, 23-30 MAY 1967

TABLE 2. SOVIET MRBM AND IRBM DEPLOYMENT

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	118	9	18	10	155	608
Caucasus	3		2	3	8	29
Central Asia	2	2	1	3	8	29
Far Eastern	9	1		1	11	43
Totals	132	12	21	17	182	709

Totals do not include 100 fixed field-type sites with total of 374 launch positions and one launch facility at Sovetskaya Gavan

TABLE 3. SAM AND ABM DEPLOYMENT

		Country																			
		USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	Mongolia	North Korea	Indonesia	Egypt	Cuba	India	North Vietnam	Afghanistan	Totals ***		
SAM sites	SA-1	56																	56	Confirmed	
																				Probable	
																				Possible	
																				Training	
SAM sites	SA-2	1030	2	19	25	54	16	32	18	5	21	2	10	5	33	26	16	162	1	1477	Confirmed
		2			1	1					1						1			7	Probable
		1															1			2	Possible
		34			1					7			1	3	2	1	2			51	Training ***
SAM sites	SA-3	111																		111	Confirmed
		1																		1	Probable
																				1	Possible
							1													13	Training ***
SAM sites	SA-2 SAM Support Facilities	13																		13	Confirmed
		205	1	4	6	4	4	6	2	1		1	1	5	6	3	1			250	Confirmed
		2		2					1					1						6	Probable
																					Possible
SAM sites	SA-3 SAM Assembly Facilities	14																		14	Confirmed
		2																		2	Probable
																					Possible
SAM sites	+ Probable Long Range SAM	31																		31	Confirmed
																					Probable
																					Possible
																					Suspect
SAM sites	ABM Complexes	7																		7	Confirmed
																					Probable
																					Possible

*Does not include alternate sites, USSR

**Does not include 31 abandoned sites

***Total reflects individual sites

+Includes 2 Probable R & D or Training sites at SSATC

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[#] Does not include the Suspect Complex at Vyazemskiy, USSR

TABLE 5. DATE/TIME OF PHOTOGRAPHIC PASSES
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Pass	Date	Camera ON		Camera OFF		Pass	Date	Camera ON		Camera OFF	
		Hr(Z)	Min(Z)	Hr(Z)	Min(Z)			Hr(Z)	Min(Z)	Hr(Z)	Min(Z)
5	23 May	01	52	02	01	71	27 May	04	03	04	11
6	23 May	03	27	03	39	72	27 May	05	33	05	38
7	23 May	04	52	04	58	73	27 May	06	55	07	08
8	23 May	06	21	06	29	74	27 May	08	27	08	34
9	23 May	07	51	07	55	75	27 May	09	46	10	11
10	23 May	09	23	09	36	76	27 May	11	15	11	15
13	23 May	13	38	14	13	78	27 May	14	43	14	44
14	23 May	15	29	15	29	79	27 May	15	44	16	05
16	23 May	18	07	18	07	80	27 May	17	12	17	14
17	23 May	20	05	20	06	81	27 May	18	40	19	12
19	23 May	22	44	22	59	84	27 May	23	19	23	35
21	24 May	01	47	01	50	85	28 May	00	50	01	03
22	24 May	03	16	03	30	86	28 May	02	20	02	32
23	24 May	04	44	05	08	87	28 May	03	48	03	52
24	24 May	06	14	06	19	88	28 May	05	22	05	24
25	24 May	07	41	07	49	89	28 May	06	39	06	51
26	24 May	09	12	09	14	90	28 May	08	09	08	19
29	24 May	14	00	14	00	91	28 May	09	41	09	44
32	24 May	17	57	17	58	92	28 May	10	57	10	57
35	24 May	22	33	22	49	95	28 May	15	44	15	45
36	25 May	00	02	00	06	96	28 May	17	25	17	25
37	25 May	01	36	01	49	97	28 May	18	21	18	22
38	25 May	03	04	03	18	98	28 May	19	49	19	50
39	25 May	04	32	04	41	99	28 May	21	50	21	50
40	25 May	06	01	06	06	100	28 May	22	57	22	57
41	25 May	07	26	07	36						
42	25 May	08	58	09	19	101	29 May	00	25	00	32
43	25 May	10	32	10	35	102	29 May	01	54	02	07
46	25 May	15	06	15	08	103	29 May	03	27	03	34
52	25 May	23	51	00	14	104	29 May	04	55	04	59
53	26 May	01	22	01	24	105	29 May	06	23	06	31
54	26 May	02	51	03	05	106	29 May	07	50	08	00
55	26 May	04	19	04	27	107	29 May	09	21	09	23
56	26 May	05	48	05	54	113	29 May	18	01	18	02
57	26 May	07	13	07	28	114	29 May	19	29	19	31
58	26 May	08	43	09	05	117	30 May	00	10	00	14
59	26 May	10	02	10	27	118	30 May	01	41	01	44
62	26 May	15	00	15	00	119	30 May	03	10	03	17
63	26 May	15	58	15	59	120	30 May	04	38	04	45
64	26 May	17	30	17	30	121	30 May	06	07	06	14
65	26 May	18	59	19	29	122	30 May	07	34	07	43
66	26 May	20	51	20	51	123	30 May	09	06	09	20
67	26 May	22	05	22	26	124	30 May	10	42	10	46
68	26 May	23	33	23	52	125	30 May	11	51	11	51
69	27 May	01	06	01	17	126	30 May	13	20	13	21
70	27 May									14	52

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TOP SECRET

16

TOP SECRET
KH-7 MISSION 4037, 23-30 MAY 1967

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Missiles

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

MISSILES

PLESETSK MISSILE AND SPACE CENTER

UR 6254N 04038E

ONLY THE EASTERNMOST LAUNCH SITES ARE COVERED ON PHOTOGRAPHY. THE SUPPORT AREA JUST SOUTH OF SITE 11 CONSISTS OF APPROXIMATELY 60 BUILDINGS, INCLUDING ADMINISTRATION/HOUSING BUILDINGS, SHOPS, MAINTENANCE BUILDINGS, AND OTHER STANDARD BUILDINGS. SEVERAL UNIDENTIFIED BUILDINGS OF UNUSUAL CONFIGURATION ARE ALSO WITHIN THIS FACILITY. A SMALL CONSTRUCTION SUPPORT CAMP IS JUST EAST OF THE SUPPORT FACILITY AND ANOTHER SMALL CONSTRUCTION SUPPORT CAMP IS LOCATED APPROXIMATELY 2 NM WEST OF SITE 17. IT WAS FIRST OBSERVED UNDER CONSTRUCTION ON [REDACTED] CONSIDERABLE ACTIVITY IS APPARENT IN AREAS OBSERVED.

A SINGLE SILO IS NEWLY IDENTIFIED APPROXIMATELY 1,000 FT EAST OF SITE 23 AND IS DESIGNATED SITE 24. NO OTHER NEW MISSILES OR MISSILE-ASSOCIATED ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE AREA COVERED ON PHOTOGRAPHY.

PLESETSK ICBM LAUNCH SITE 11

UR 6257N 04126E

ALTHOUGH A LAUNCH RING IS PRESENT ON THE RIGHT PAD AND POSSIBLE ERECTING MECHANISMS ARE VISIBLE ON BOTH PADS, CONSTRUCTION ACTIVITY ALONG THE FRONT EDGE OF BOTH PADS INDICATES THEY ARE NOT COMPLETE AT THIS TIME. IT APPEARS THAT BOTH PADS ARE BEING EXTENDED. SEVERAL VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED ON THE LEFT PAD AND ON THE PARKING APRON/HARDSTAND BEHIND THE PAD.

(SEE ATTACHMENT)

PLESETSK ICBM PROB LAUNCH SITE 12

UR 6258N 04132E

NO LAUNCH POSITION CAN BE OBSERVED. SCARRING AND CONSTRUCTION ACTIVITY IS OBSERVED AT THE END OF THE ACCESS ROAD. NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE PRESENT. A DARK CYLINDRICAL OBJECT IS STILL PRESENT

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

ALONG THE ACCESS ROAD.

PLESETSK ICBM LAUNCH SITE 14

UR 6258N 04133E

LAUNCH SITE 14 CAN NOW BE CONFIRMED AS A SINGLE SOFT PAD WITH A CONFIGURATION AND ORIENTATION SIMILAR TO ONE-HALF OF LAUNCH SITE 11. THE ENTIRE LAUNCH AREA HAS BEEN GRADED, BUT DOES NOT APPEAR TO HAVE BEEN PAVED. NUMEROUS VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED AT THE SITE.

(SEE ATTACHMENT)

PLESETSK ICBM LAUNCH SITE 15

UR 6258N 04124E

A COMMON SECURITY FENCE ENCLOSES BOTH SITES 15 AND 21. PORTIONS OF THE CONDUIT BETWEEN THE 3 SILOS AT SITE 15 HAVE BEEN BACKFILLED. A PROBABLE ELECTRONIC FACILITY IS LOCATED AT THE SITE. TWO CYLINDRICAL STRUCTURES, EACH APPROXIMATELY [REDACTED] IN DIAMETER WITH A SMALL OPENING IN THE TOP, ARE LOCATED APPROXIMATELY 600 FT NORTH AND SOUTH OF THE CENTER OF THE SITE. A SECOND PAIR OF STRUCTURES IS LOCATED AT THE INSIDE EDGE OF THE LOOP ROAD AT OPPOSITE ENDS OF THE LONG AXIS OF THE LOOP. THESE 4 STRUCTURES ARE IDENTIFIED AS POSSIBLE ANTENNA POSITIONS. THE SOUTHERN CYLINDRICAL STRUCTURE HAS BEEN EARTH MOUNDED.

LAUNCH SITE 21, PREVIOUSLY THOUGHT TO CONSIST OF 2 SILOS, IS ACTUALLY 2 SOFT PADS. A LIGHT TOWER IS LOCATED INBOARD OF EACH PAD. THERE IS NO EVIDENCE OF AN ERECTOR MECHANISM OR LAUNCH STAND ON EITHER PAD. CONSIDERABLE ACTIVITY, SCARRING, AND DITCHING ARE OBSERVED AT BOTH LAUNCH SITES 15 AND 21.

(SEE ATTACHMENT)

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

PLESETSK ICBM LAUNCH SITE 17

UR 6254N 04124E

CONSTRUCTION CONTINUES AT THIS SINGLE SILO AND ALTHOUGH THE SILO HEADWORKS ARE CIRCULAR THE SITE IS CONSIDERABLY DIFFERENT FROM TYPE IIID FACILITIES. THE OUTER DIAMETER OF THE SILO HEADWORKS IS [REDACTED] AND THE INNER DIAMETER IS [REDACTED] A SMALL RECTANGULAR STRUCTURE [REDACTED] IS LOCATED ADJACENT TO AND DIRECTLY ACROSS FROM A SILO APPENDAGE WHICH IS SMALLER THAN AND ORIENTED DIFFERENTLY FROM A TYPE IIID APPENDAGE. A LARGE STRUCTURE [REDACTED] IS UNDER CONSTRUCTION AT 90 DEGREES TO THE SMALLER STRUCTURE. CONSIDERABLE ACTIVITY/CONSTRUCTION IS APPARENT AT THE SITE. AS A RESULT OF THESE DIFFERENCES, THIS SITE AND THE OTHER SINGLE SILOS AT PLESETSK WILL NO LONGER BE REFERRED TO AS TYPE IIID SITES.

SITES 23 AND 24 -- A SINGLE SILO IS NEWLY IDENTIFIED 1,055 FT TO THE EAST OF LAUNCH SITE 23. BOTH SITES ARE IN THE EARLY STAGES OF CONSTRUCTION AND CONSIST OF SILO CORINGS APPROXIMATELY [REDACTED] IN DIAMETER. ACTIVITY IS OBSERVED IN BOTH AREAS. SITE 24 CAN BE NEGATED ON

PLESETSK ICBM LAUNCH SITE 21

UR 6258N 04123E

LAUNCH SITE 21 IS REPORTED UNDER PLESETSK ICBM LAUNCH SITE 15 [REDACTED]

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KH-7 MISSION 4037, 23-30 MAY 67

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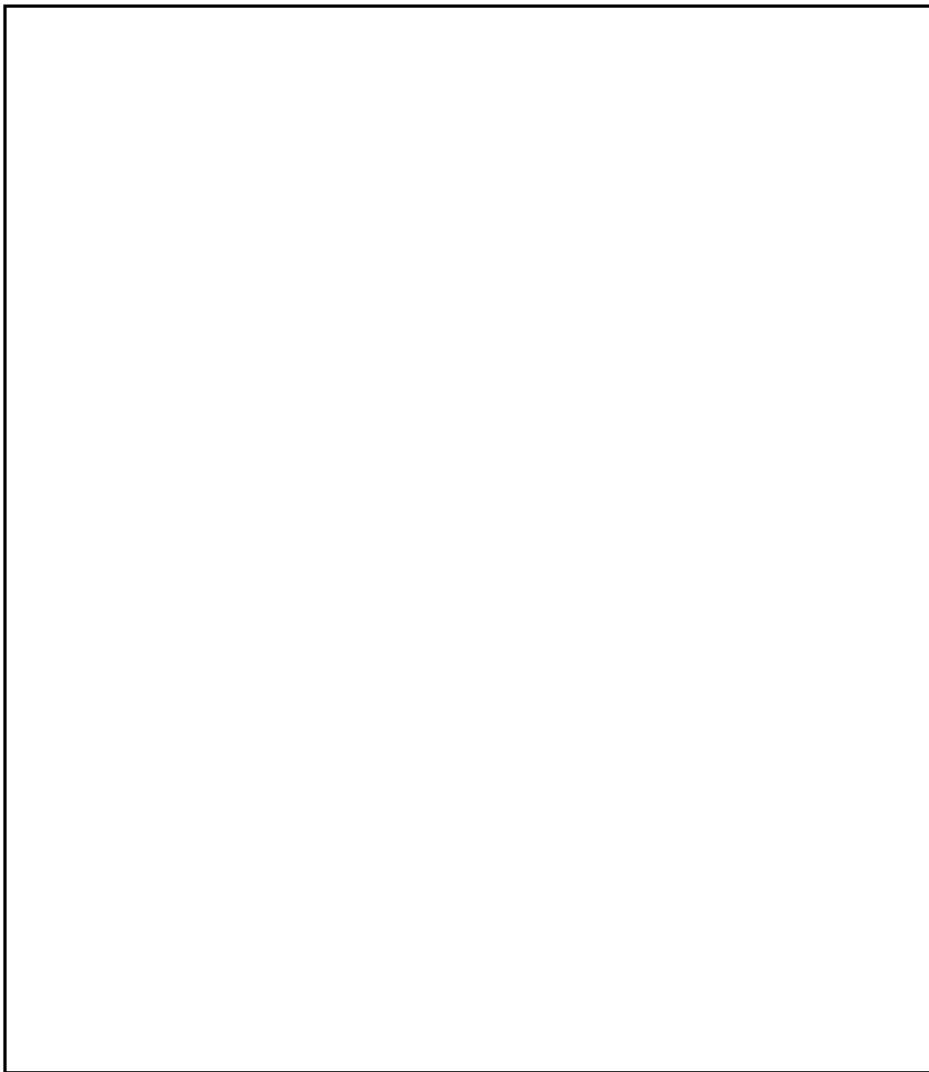
YURYA ICBM COMPLEX

UR 5904N 04917E

SEVEN OF THE 11 LAUNCH SITES, [REDACTED] FACILITY, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE COVERED ON PHOTOGRAPHY. MISSILES ARE ERECTED ON BOTH PADS AT LAUNCH SITES 4 AND 11, WHERE EXERCISES ARE IN PROGRESS. A MISSILE IS ALSO ERECTED ON THE RIGHT PAD OF LAUNCH SITE 3. MISSILES ARE IN FRONT OF THE LEFT MISSILE-READY BUILDING AT LAUNCH SITES 4 AND 11. NO NEW MISSILE FACILITIES OBSERVED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

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KH-7 MISSION 4037, 23-30 MAY 67

VERKHNYAYA SALDA ICBM COMPLEX

UR 5802N 06024E

NO MISSILE ACTIVITY OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

YOSHKAR-OLA ICBM COMPLEX

UR 5633N 04801E

FOUR OF THE KNOWN 6 LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. AT LAUNCH SITE 1, A PROBABLE MISSILE IS PARTLY EXPOSED AT THE ENTRANCE OF THE RIGHT READY BUILDING. AT LAUNCH SITE 2, A PROBABLE MISSILE IS PARTLY EXPOSED AT THE ENTRANCE OF THE LEFT READY BUILDING AND 6 UNIDENTIFIED LONG VEHICLES ARE IN THE RIM FACILITY. AT LAUNCH SITE 4, A POSSIBLE MISSILE TRANSPORTER IS IN FRONT OF THE LEFT READY BUILDING AND UNIDENTIFIED ACTIVITY IS OBSERVED ON THE LOOP ROAD NEAR THE RIGHT READY BUILDING. IN THE RIM FACILITY AT THE TRANSFER POINT ARE 2 POSSIBLE MISSILE TRANSPORTERS AND UNIDENTIFIED VEHICLES. ON THE NE PERIMETER OF THE COMPLEX SUPPORT FACILITY, A HARDENED ANTENNA AND ARCH-ROOFED BUILDING FOR THE HARDENED COMMAND AND CONTROL FACILITY ARE NEARING COMPLETION. NO OTHER MISSILE ACTIVITY OBSERVED.

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

FORTY-FIVE TYPE IIID LAUNCH SITES, 2 TYPE IID LAUNCH SITES, 1 TYPE IIB LAUNCH SITE, 1 TYPE IIIA LAUNCH SITE, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

TRANSFER POINT ARE INTERPRETABLE. LAUNCH SITE 58K APPEARS TO HAVE REACHED A LATE STAGE OF CONSTRUCTION 6 MONTHS AFTER ITS NEGATION DATE [REDACTED] AT SITE 45J, 2 PIECES OF MISSILE HANDLING EQUIPMENT ARE ON THE ACCESS ROAD. AT LAUNCH SITE 1, A MISSILE IS IN FRONT OF THE LEFT READY BUILDING AND AT LAUNCH SITE 4, A MISSILE IS IN FRONT OF THE RIGHT READY BUILDING. IN THE COMPLEX SUPPORT FACILITY, THE RAILHEAD AND STORAGE AREA, MATERIALS AND STORES ARE NEAR DEPLETION. NO EVIDENCE IS OBSERVED IN THE RAILHEAD AND STORAGE AREA THAT INDICATES ANY FURTHER CONSTRUCTION OF A NEW GROUP. THERE ARE AT LEAST 3 AREAS WITHIN THE COMPLEX WHERE THERE ARE GROUPS OF TENTS. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED. NO NEW MISSILE ACTIVITY OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY. 25X

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIID LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP G -- ALL 10 SITES ARE COMPLETE. ALL SITES (7-14, 16, AND 18) ARE INTERPRETABLE.

LAUNCH GROUP H -- ALL 10 SITES ARE COMPLETE. SITES 15 AND 21-25 ARE INTERPRETABLE.

LAUNCH GROUP I -- 8 OF THE 10 SITES ARE INTERPRETABLE. SITES 29-35 AND 40 ARE COMPLETE.

LAUNCH GROUP J -- SITES 38, 39, 43, 45, 47, AND 50 ARE COMPLETE. SITES 42, 44, 46, AND 48 ARE IN A LATE STAGE OF CONSTRUCTION.

LAUNCH GROUP K -- SITES 49, 51-54, 57, AND 58 ARE IN A LATE STAGE OF CONSTRUCTION. SITES 55, 56, AND 59 ARE IN THE MID-STAGE OF CONSTRUCTION.

TRANSFER POINT SITE -- SITE 41X IS IN A LATE STAGE OF CONSTRUCTION.



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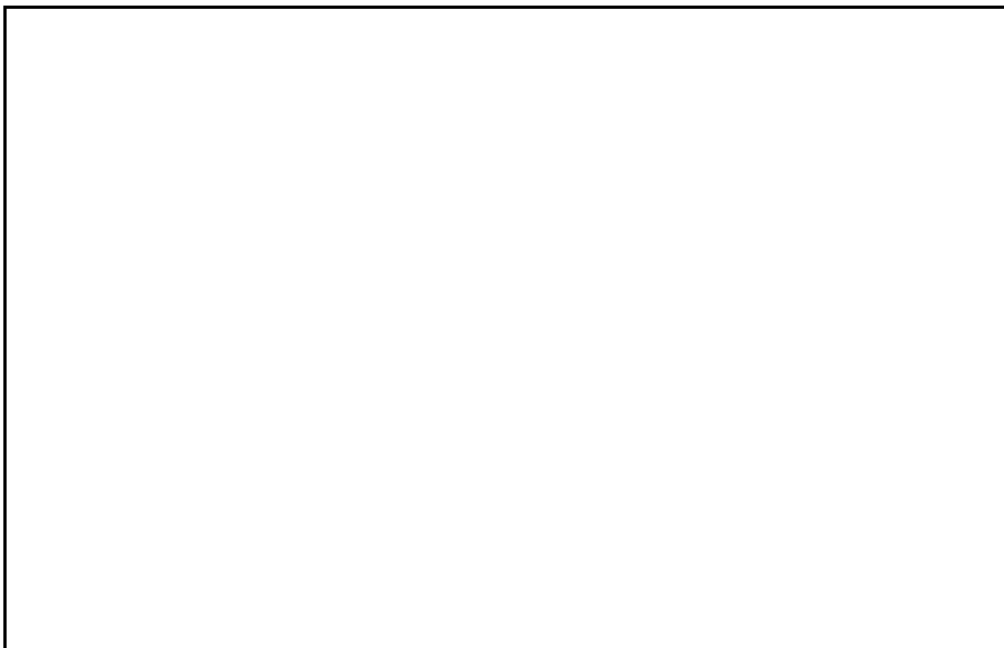
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TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67



KOSTROMA ICBM COMPLEX

UR 5746N 04101E

TWENTY-SIX TYPE IIID LAUNCH SITES, 7 SS-7 LAUNCH SITES (SITES 1-7), THE NE SECTION OF THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. THIS TOTAL REFLECTS 4 NEWLY IDENTIFIED IIID LAUNCH SITES. THESE SITES ARE -- SITE 33I AT 57-47N 041-24E WHICH COMPLETES THE I GROUP AND NEW GROUP K WHICH INCLUDES SITE 34K AT 57-44N 041-12E, SITE 35K AT 57-43N 041-05E, AND SITE 36K AT 57-42N 041-18E. THEY CAN ALL BE NEGATED ON [REDACTED] WERE FIRST SEEN ON [REDACTED] ALL OF THE NEW SITES ARE IN THE MID-STAGE OF CONSTRUCTION. SITE 13 IN THE J GROUP, WHICH WAS NOT CARRIED IN NPIC LISTINGS, IS NOW CONSIDERED A VALID SITE, AND IS IN THE MID-STAGE OF CONSTRUCTION. PROBABLE SITES 19J, 30I, 31I, AND POSSIBLE SITE 32J ARE NOW CONFIRMED SITES. SITES 20J, POSSIBLE SITE 25I, AND PROBABLE SITE 27 ARE NO LONGER CONSIDERED SITES AND ARE DROPPED FROM NPIC LISTINGS.

SEVEN PROBABLE NEW SITES (SITES 37-43) ARE NEWLY IDENTIFIED ON [REDACTED] AND COMPLETE THE NEW K GROUP. THESE SITES ARE NOT COVERED ON THIS MISSION AND WILL BE REPORTED IN THE OAK SUPPLEMENT FOR [REDACTED]

EXERCISE ACTIVITY APPEARS TO BE IN PROGRESS AT THE SS-7

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KH-7 MISSION 4037, 23-30 MAY 67

SITES WHERE MISSILES ARE VISIBLE AT 3 OF THE 7 LAUNCH SITES. AT LAUNCH SITE 1, A MISSILE IS IN FRONT OF THE RIGHT MISSILE-READY BUILDING AND A POSSIBLE MISSILE IN 2 SECTIONS IS IN FRONT OF THE LEFT MISSILE-READY BUILDING. AT LAUNCH SITE 2, A MISSILE IS LOCATED ON THE RIGHT LAUNCH PAD. AT LAUNCH SITE 3, A MISSILE IS IN FRONT OF THE RIGHT MISSILE-READY BUILDING. NO OTHER SIGNIFICANT ACTIVITY OR CHANGES ARE OBSERVED AT THESE 3 SITES OR AT SITES 4, 5, 6, AND 7.

THE FACILITIES OBSERVED AT THE COMPLEX SUPPORT FACILITY INCLUDE THE MOTOR POOL, A SMALL HOUSING AND ADMINISTRATION AREA, AND A PORTION OF THE RAILHEAD AND STORAGE AREA. CONSTRUCTION MATERIALS ARE OBSERVED AT THE DISTRIBUTION POINT WHERE VEHICLES ARE WAITING TO BE LOADED.

AT THE RAIL-TO-ROAD TRANSFER POINT, THE PROPELLANT STORAGE FACILITY, AND THE [REDACTED] FACILITY ARE PROBABLY COMPLETE. CONSTRUCTION ON ONE OF 6 LARGE VEHICLE MAINTENANCE BUILDINGS CONTINUES. TWO LARGE AND 14 SMALLER STORAGE BUILDINGS ARE JUST SOUTH OF THE 6 POL STORAGE TANKS. NO OTHER SIGNIFICANT ACTIVITY OBSERVED. NO OTHER NEW MISSILE ACTIVITY OBSERVED IN THE INTERPRETABLE PORTIONS OF THE 50-NM SEARCH AREA.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIID LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP I -- 9 SITES (9, 10, 21-24, 26, 30, AND 31) ARE IN LATE STAGES OF CONSTRUCTION. NEWLY IDENTIFIED SITE 33 IS IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP J -- ALL 10 SITES (12-19, 28, AND 32) ARE IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP K -- 3 SITES (34-36) ARE IN THE MID-STAGE OF CONSTRUCTION.

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Next 1 Page(s) In Document Exempt

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TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

SHADRINSK ICBM COMPLEX

UR 5607N 06339E

NO MISSILE ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

OMSK ICBM COMPLEX

UR 5504N 07331E

THE COMPLEX SUPPORT FACILITY IS INTERPRETABLE. NO MISSILE ACTIVITY IS OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

PERM ICBM LAUNCH COMPLEX

UR 5742N 05619E

SEVENTEEN OF THE KNOWN 41 TYPE IIID LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, THE HOUSING AND ADMINISTRATION AREA, AND THE RAIL-TO-ROAD TRANSFER POINT ARE OBSERVED ON PHOTOGRAPHY OF FAIR INTERPRETABILITY. ELEVEN OF THE 17 LAUNCH SITES OBSERVED (18G, 19G, 29H, 30H, 32H, 34H, 40H, 42H, 46J, AND 52J) HAVE DISRUPTIVE PAINTING ON THE CONCRETE ACCESS. LAUNCH SITE 59H IS NOW COMPLETE. LAUNCH SITE 60X, WHICH IS IN A LATE STAGE OF CONSTRUCTION, HAS AN ASSOCIATED CONTROL BUILDING ADJACENT TO THE SITE ACCESS.

NO NEW MISSILES OR MISSILE-RELATED ACTIVITY OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED ON CLOUD-FREE PHOTOGRAPHY.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIID LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP G -- ALL 10 SITES ARE COMPLETE. FOUR SITES (18, 19, 23, AND 35) ARE INTERPRETABLE.

LAUNCH GROUP H -- ALL 10 SITES ARE COMPLETE. ALL SITES (29-34, 36, 40, 42, AND 59) ARE INTERPRETABLE.

LAUNCH GROUP J -- ALL 10 SITES ARE COMPLETE. TWO SITES (46 AND 52) ARE INTERPRETABLE.

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KH-7 MISSION 4037, 23-30 MAY 67

YEDROVO ICBM COMPLEX

UR 5751N 03340E

TWENTY-ONE OF THE 39 TYPE IIID LAUNCH SITES, 1 OF THE 8 SS-7 LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, THE RAIL-TO-ROAD TRANSFER POINT, AND THE [REDACTED] ARE INTERPRETABLE. THIS TOTAL INCLUDES 11 TYPE IIID LAUNCH SITES (45-55) NEWLY IDENTIFIED ON THIS MISSION AND 6 TYPE IIID SITES (39-44) NEWLY IDENTIFIED ON [REDACTED] IN THE TRANSFER POINT, AT LEAST 5 METAL FORMS FOR SILO DOORS (TYPE IIID) ARE BEING FABRICATED. AT CONTROL SITE 11, A DOUBLE SECURITY FENCE AROUND THE CONTROL BUNKER CUTS OFF THE UNFINISHED TERMINALS OF THE L-SHAPED ELECTRONICS FACILITY WHICH IS APPARENTLY ABANDONED. A SIMILAR ABANDONMENT OF L-SHAPES IS OBSERVED AT OLOVYANNAYA ICBM SITE 55 AND AT IMENI GASTELLO ICBM SITE 17. A HARDENED COMMUNICATION FACILITY IS IDENTIFIED IN THE COMPLEX SUPPORT FACILITY. IT CONSISTS OF 2 PARALLEL ARCH-ROOFED, EARTH-MOUNDED BUILDINGS, WITH NUMEROUS ANTENNAS. NO OTHER SIGNIFICANT ACTIVITY OR OTHER NEW MISSILE FACILITIES ARE OBSERVED.

NEW SITES 45 AT 57-44N 033-51E, 46 AT 57-47N 033-46E, 48 AT 58-04N 033-42E, 49 AT 58-05N 033-37E, 50 AT 58-01N 033-43E, 51 AT 57-56N 033-38E, 52 AT 58-00N 033-49E, 53 AT 57-58N 033-47E, AND 54 AT 57-55N 033-44E CAN BE NEGATED ON [REDACTED] AND ARE FIRST SEEN ON [REDACTED] NEW SITE 47 AT 57-50N 033-45E AND POSSIBLE 55 AT 57-52N 033-39E (AT THE TRANSFER POINT) CAN BE NEGATED ON [REDACTED]

[REDACTED] THESE NEW SITES CONFIRM THE EXISTENCE OF 4 TYPE IIID LAUNCH GROUPS AT YEDROVO.

CONSTRUCTION STATUS FOR ALL TYPE IIID LAUNCH SITES COVERED ON THIS MISSION --

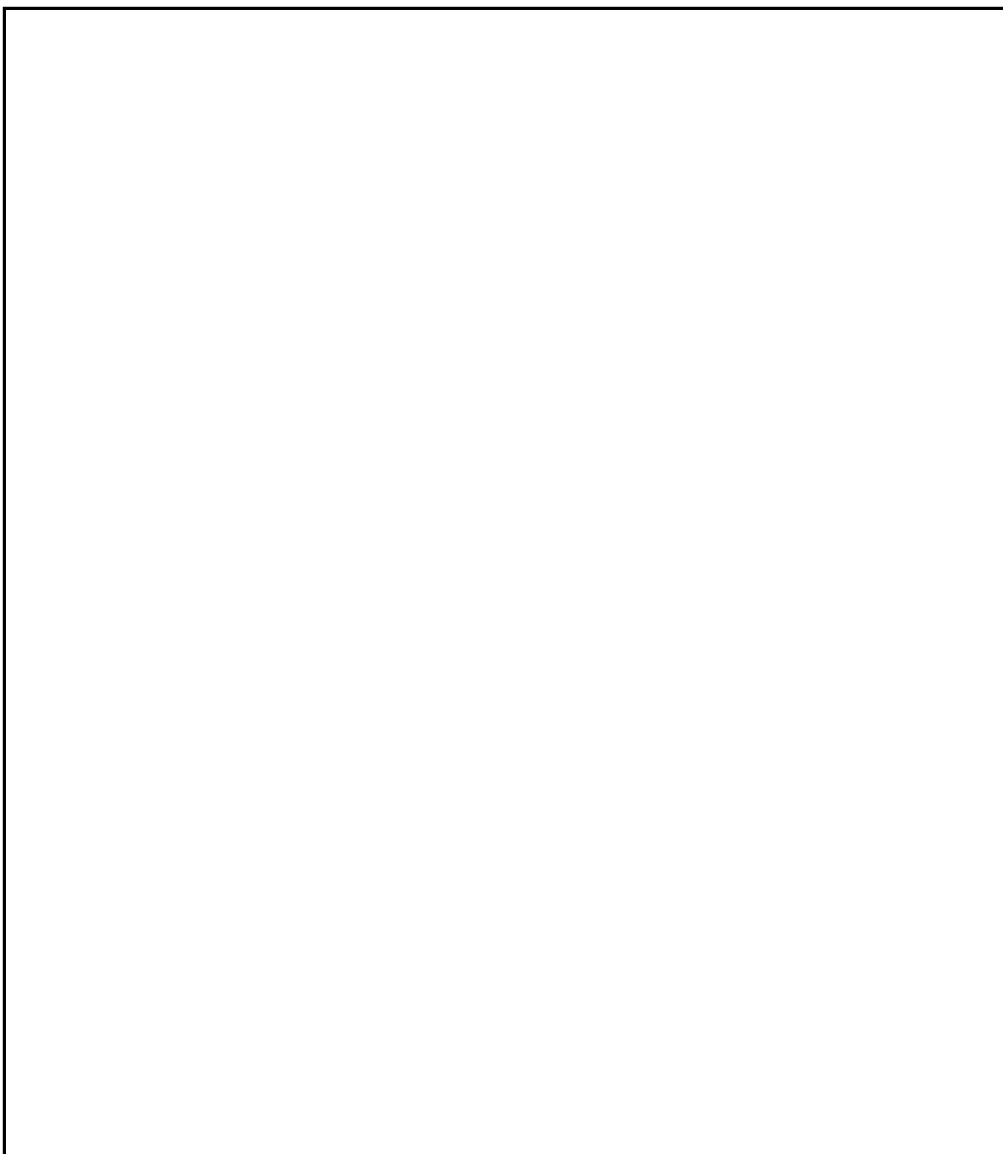
LAUNCH GROUP I -- SITES 10, 12, 14, AND 15 ARE IN LATE STAGES OF CONSTRUCTION. SITE 11 IS COMPLETE, WITH THE CONTROL BUNKER NOT YET EARTH MOUNDED.

LAUNCH GROUP K -- SITE 37 IS NOW CONFIRMED. IT IS IN AN UNDETERMINED STAGE OF CONSTRUCTION. SITES 48, 49, AND 50 ARE IN THE MID-STAGE OF CONSTRUCTION. SITES 51, 52, 53, AND 54 ARE IN EARLY STAGES OF CONSTRUCTION. ONLY 8 SITES HAVE BEEN IDENTIFIED TO DATE IN THE K GROUP. SITE 37 IS POSSIBLY THE CONTROL SITE.

KH-7 MISSION 4037, 23-30 MAY 67

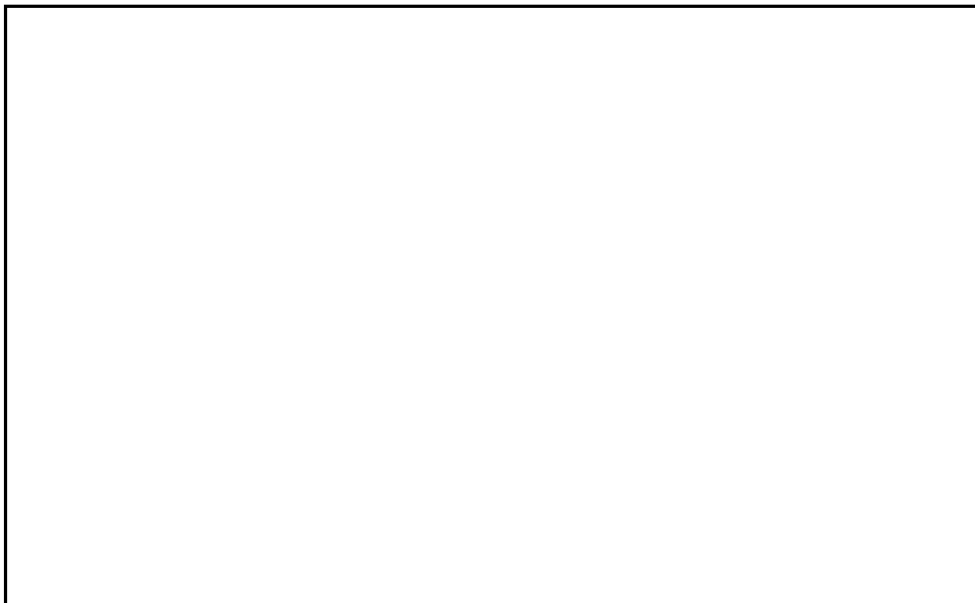
LAUNCH GROUP L -- SITES 38, 39, 40, AND 41 ARE NOW CONFIRMED. THEY ARE IN THE MID-STAGE OF CONSTRUCTION. SITE 47 IS IN MID-STAGE OF CONSTRUCTION, SITE 45 IS IN AN EARLY STAGE OF CONSTRUCTION, AND SITE 46 IS IN AN UNDETERMINED STAGE OF CONSTRUCTION. SITE 41 IS CONFIRMED AS THE CONTROL SITE FOR THE L GROUP. INCLUDING NEW SITES 42, 43, AND 44 WHICH WERE IDENTIFIED ON [REDACTED] BUT ARE NOT COVERED BY THIS MISSION, ALL 10 SITES IN LAUNCH GROUP L HAVE BEEN IDENTIFIED.

POSSIBLE TRANSFER POINT SITE 55X IS IN AN EARLY STAGE OF CONSTRUCTION.



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KH-7 MISSION 4037, 23-30 MAY 67



NOVOSIBIRSK ICBM COMPLEX

UR 5515N 08259E

FOUR OF THE 5 LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT, ARE INTERPRETABLE. AT SITE 5, A MISSILE IS ERECTED ON THE LEFT LAUNCH PAD AND THE ERECTOR ON THE RIGHT PAD IS IN THE VERTICAL POSITION. MISSILE HANDLING VEHICLES ARE AT EACH PAD ERECTOR. A POSSIBLE LONG VEHICLE IS ON THE RAMP AT SITE 3. NO OTHER MISSILE ACTIVITY IS OBSERVED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.



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KH-7 MISSION 4037, 23-30 MAY 67 [] 25X

KOZELSK ICBM COMPLEX

UR 5356N 03549E []

SIXTEEN TYPE IIID LAUNCH SITES, 2 SS-8 SOFT LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND A PORTION OF THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. THIS INCLUDES 3 NEWLY IDENTIFIED TYPE IIID SINGLE SILOS. SITE 45I, THE TENTH SITE IN LAUNCH GROUP I, IS LOCATED AT 54-02N 035-55E, 7 NM NNE OF THE COMPLEX SUPPORT FACILITY. SITE 46X IS THE TRANSFER POINT SITE AND IS LOCATED ON THE WEST SIDE OF THE RAIL-TO-ROAD TRANSFER POINT AT 53-56N 035-46E. SITE 47J, THE THIRD SITE TO BE IDENTIFIED IN LAUNCH GROUP J, IS LOCATED AT 54-06N 035-51E, 10 NM NNE OF THE COMPLEX SUPPORT FACILITY. ALL 3 OF THESE SITES ARE CONFIRMED AND IN THE MID-STAGE OF CONSTRUCTION. THEY ARE FIRST SEEN ON [] AND CAN BE NEGATED ON MISSION [] PROBABLE SITE 42I IS NOT A LAUNCH SITE AND IS BEING DROPPED FROM NPIC LISTINGS.

AT THE SS-8 SECTION OF THE RAIL-TO-ROAD TRANSFER POINT, MORE ACTIVITY THAN EVER BEFORE OBSERVED IS APPARENT. EQUIPMENT IDENTIFIED INCLUDES 5 LOADED PROBABLE SS-8 TRANSPORTERS, 2 EMPTY MISSILE TRANSPORTERS, 4 LONG RAIL CARS, 10 RAIL TANK CARS, AND 15 LARGE TANK-TRAILERS. IN ADDITION, NUMEROUS ASSOCIATED VEHICLES ARE IN THE AREA. ACTIVITY AT THE RAILHEAD AND STORAGE AREA IS ALSO AT A HIGH LEVEL. MATERIALS ARE BEING UNLOADED FROM RAIL CARS ALONG THE RAIL LINE NEAR THE RAILHEAD. A POSSIBLE [] IS UNDER CONSTRUCTION WEST OF THE RAIL-TO-ROAD TRANSFER POINT. AT SITES 2 AND 4, THE TWO SOFT SS-8 LAUNCH SITES COVERED ON THIS MISSION, RELATIVELY LITTLE ACTIVITY IS APPARENT. ONLY A FEW SMALL VEHICLES ARE OBSERVED IN AREAS WHERE NUMEROUS VEHICLES AND PIECES OF SUPPORT EQUIPMENT HAVE BEEN SEEN PREVIOUSLY.

CONSTRUCTION STATUS AND DETAILED DATA FOR TYPE IIID LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP G -- 5 OF THE 10 SITES (7, 8, 12, 25, AND 26) ARE INTERPRETABLE AND IN THE LATE STAGE OF CONSTRUCTION. AT SITE 26, A TALL OBJECT RESEMBLING A POSSIBLE SILO LINER IS DIRECTLY IN FRONT OF THE OPEN SILO. SITE 23 CAN BE IDENTIFIED ONLY.

LAUNCH GROUP I -- 9 OF THE 10 SITES (32-38, 41, AND 45) ARE INTERPRETABLE AND IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP J -- 1 OF 3 SITES (47) IS INTERPRETABLE

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KH-7 MISSION 4037, 23-30 MAY 67

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ZHANGIZ-TOBE ICBM COMPLEX

UR 4912N 08109E

EIGHTEEN OF THE KNOWN 25 TYPE IIIC LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. LAUNCH SITE 26D IS NOW CONFIRMED AND COMPLETES LAUNCH GROUP D. UNUSUAL ACTIVITY IS OBSERVED AT 2 SITES IN LAUNCH GROUP A. AT SITE 4, TWO VERY TALL CRANES ARE ADJACENT TO THE SILO, AN UNIDENTIFIED OBJECT (POSSIBLY CYLINDRICAL) IS ON THE APRON IN FRONT OF THE SILO, A VERY LONG RECTANGULAR OBJECT IS ON THE LOOP ROAD, AND SCARRING EXTENDS ACROSS THE INFIELD AND APRON TO THE HEADWORKS. AT SITE 6, THE ACCESS HAS BEEN DUG UP IN FRONT OF THE SILO. THE CONCRETE APRON BLOCKS ARE STACKED ON THE ACCESS ROAD. A SMALL PROBABLE CRANE IS ADJACENT TO THE CLOSED SILO DOOR. EXTENSIVE QUANTITIES OF CONSTRUCTION MATERIALS AND VEHICULAR ACTIVITY ARE OBSERVED IN THE COMPLEX SUPPORT FACILITY. CONSTRUCTION CONTINUES ON THE HARDENED COMMAND AND CONTROL FACILITY. APPROXIMATELY 75 PIECES OF EQUIPMENT ARE NOTED IN THE TRANSFER POINT. NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED. NO NEW MISSILE-RELATED ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE LAUNCH SITES --

LAUNCH GROUP A -- ALL 6 COMPLETED SITES (1-6) ARE COVERED.

LAUNCH GROUP B -- 3 OF THE 6 COMPLETED SITES (9-11) ARE COVERED.

LAUNCH GROUP C -- 2 SITES (13 AND 18) ARE COVERED. BOTH SITES ARE IN THE MID-STAGE OF CONSTRUCTION.

LAUNCH GROUP D -- ALL 6 SITES (19-21, 23, 24, AND 26) ARE COVERED. ALL SITES ARE IN THE MID-STAGE OF CONSTRUCTION. SITE 26 DISPLAYS THE NORMAL TYPE OF CONSTRUCTION. THE FENCE LINE AT SITE 21 INDICATES THAT THIS SITE IS POSSIBLY THE CONTROL SITE OF THIS GROUP.

THE RAIL TRANSFER POINT SITE (22X) IS IN THE MID-STAGE OF CONSTRUCTION. THE SILO LINER IS ON THE RECTANGULAR MOUND.

TOP SECRET

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Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

CORING, THE CONSTRUCTION SUPPORT BUILDING, THE SECURITY FENCING, AND THE LOCATIONS OF SITES 19 AND 20 ARE TYPICAL OF NORMAL TYPE IIIC CONSTRUCTION, THE LAUNCH SILO ITSELF IS DIFFERENT. THE USUAL U-SHAPED EXCAVATION, THE RECTANGULAR EARTH MOUND, AND THE SQUARE EARTH MOUND HAVE FAILED TO APPEAR AS EXPECTED. THERE IS NO SIGN OF THE SQUARE FOUNDATION BEING FORMED OR ANY SIGN OF HEADWORKS UNDER CONSTRUCTION. IN THE APPROXIMATE 35-FT DIAMETER CORING OBSERVED AT SITES 19 AND 20, THERE ARE NOW BRACING MEMBERS FORMING AN H-SHAPED PATTERN. A SINGLE PIPE [REDACTED] AT SITE 19, [REDACTED] AT SITE 20) RUNS FROM THE CORING TO A SMALL RECTANGULAR STRUCTURE [REDACTED] NEARBY.

CONSTRUCTION AT ADJACENT SITES 17 AND 18 APPEARS NORMAL.

NO NEW MISSILE FACILITIES OBSERVED IN THE CLOUD-FREE PORTIONS OF THE SEARCH AREA.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIIC LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP C -- SITES 17 AND 18 ARE IN THE MID-STAGE OF CONSTRUCTION AND SITES 19 AND 20 ARE IN UNDETERMINED STAGES OF CONSTRUCTION.

IMENI GASTELLO ICBM COMPLEX

UR 5106N 06618E

TWENTY-THREE OF THE 25 KNOWN TYPE IIIC LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. IN THE RAIL-TO-ROAD TRANSFER POINT, 12 LONG RAIL CARS ARE OBSERVED ON THE RAIL SIDING. AT THE B GROUP CONTROL SITE, SITE 7B, FRESH SCARRING IS EVIDENT AT THE L-SHAPED ELECTRONIC

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KH-7 MISSION 4037, 23-30 MAY 67

FACILITY. AT LAUNCH SITE 9B, ONE VAN-TYPE VEHICLE IS ON THE LOOP ROAD, AT LAUNCH SITE 13C, 2 VAN-TYPE VEHICLES ARE ON THE LOOP ROAD, AND AT LAUNCH SITE 16C, ONE ERECTOR/LOADER IS IN FRONT OF THE SILO AND 6 VAN-TYPE VEHICLES ARE ON THE ACCESS.

AT SITE 17C, THE C GROUP CONTROL SITE, 1 ERECTOR/LOADER AND 2 MISSILE-TRANSPORTING DOLLIES ARE IN FRONT OF THE SILO AND 11 VAN-TYPE VEHICLES ARE PARKED NEXT TO THE SMALL BUILDING AT THE SILO. TWO LARGE EARTH MOUNDS ARE ADJACENT TO THE SILO AND SEPARATELY SECURED WITHIN THE SITE FENCE LINE. THE SITE FENCE LINE HAS BEEN CHANGED AND NOW EXCLUDES THE L-SHAPED ELECTRONIC FACILITY. THE L-SHAPED ELECTRONIC FACILITY APPEARS TO HAVE BEEN ABANDONED. AT LAUNCH SITE 22D, THE FOUNDATION FOR A PROBABLE CONTROL BUNKER IS APPARENT. THIS WOULD INDICATE THAT SITE 22 WILL BE THE PROBABLE CONTROL FOR THE D GROUP.

NO OTHER SIGNIFICANT ACTIVITY IS OBSERVED.

NO NEW MISSILES OR MISSILE-RELATED ACTIVITY OBSERVED IN THE INTERPRETABLE PORTIONS OF THE 50-NM SEARCH AREA.

CONSTRUCTION STATUS AND DETAILED DATA FOR INTERPRETABLE TYPE IIIC LAUNCH SITES --

LAUNCH GROUP A -- ALL 6 (1-6) SITES ARE COMPLETE AND INTERPRETABLE.

LAUNCH GROUP B -- ALL 6 SITES ARE COMPLETE. FIVE SITES (7-9, 11, AND 12) ARE INTERPRETABLE.

LAUNCH GROUP C -- 5 OF THE 6 SITES ARE COMPLETE. THE FIVE COMPLETE SITES (13-17) ARE INTERPRETABLE.

LAUNCH GROUP D -- SITE 19 IS IN THE MID-STAGE OF CONSTRUCTION. THE SILO LINER IS ON THE RECTANGULAR MOUND. SITE 20 IS IN THE MID-STAGE OF CONSTRUCTION. THE SILO LINER IS ON THE RECTANGULAR MOUND. SITE 22 IS IN THE MID-STAGE OF CONSTRUCTION. FOUR SECTIONS OF THE SILO LINER ARE ON THE RECTANGULAR MOUND. THE FOOTINGS FOR A PROBABLE CONTROL BUNKER ARE APPARENT ADJACENT TO THE SILO CONSTRUCTION. SITE 23 IS IN THE MID-STAGE OF CONSTRUCTION. SIX SECTIONS OF THE SILO LINER ARE ON THE RECTANGULAR MOUND. SITES 24 AND 25 ARE IN AN EARLY STAGE OF CONSTRUCTION.

SITE 21X IS IN THE MID-STAGE OF CONSTRUCTION.

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TOP SECRET

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KH-7 MISSION 4037, 23-30 MAY 67

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TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

THIRTEEN OF THE 111 KNOWN TYPE IIID LAUNCH SITES ARE INTERPRETABLE. PROBABLE SITE 142 IS NO LONGER CONSIDERED A VALID LAUNCH SITE AND IS DELETED FROM NPIC LISTINGS. THE CONSTRUCTION IN PROGRESS IN THIS AREA IS UNIDENTIFIED AND NO MISSILE-RELATED ACTIVITY IS IN EVIDENCE. NO NEW MISSILE ACTIVITY IS OBSERVED IN PORTIONS OF THE SEARCH AREA COVERED ON PHOTOGRAPHY.

DETAILED DATA ON COMPLETED GROUPS IS AS FOLLOWS --

LAUNCH GROUP B -- 2 OF THE 10 SITES (19 & 21) ARE INTERPRETABLE. FIVE SITES (12-14, 16, AND 30) CAN BE IDENTIFIED ONLY.

LAUNCH GROUP C -- 5 OF THE 10 SITES (20 AND 25-27 AND 29) ARE INTERPRETABLE. SITE 22 IS IDENTIFIED ONLY.

LAUNCH GROUP D -- 2 OF THE 10 SITES (37 AND 73) ARE INTERPRETABLE.

CONSTRUCTION STATUS AND DETAILED DATA OF INCOMPLETE LAUNCH SITES ARE AS FOLLOWS --

LAUNCH GROUP F -- 3 OF THE 10 SITES (59, 89, AND 90) ARE INTERPRETABLE AND ARE NOW COMPLETED SITES.

LAUNCH GROUP K -- 1 OF THE 10 SITES (141) IS INTERPRETABLE AND IS IN THE MID-STAGE OF CONSTRUCTION.

TRANSFER SITE 35X IS IDENTIFIED ONLY.

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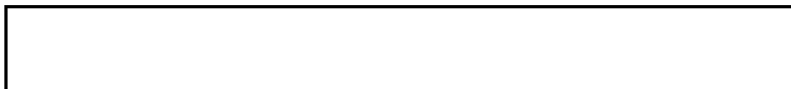
KH-7 MISSION 4037, 23-30 MAY 67



KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR UR 4835N 04545E

THE SAM AND SSM SIDES OF THE TEST CENTER ARE COVERED ON PHOTOGRAPHY. [REDACTED] COVERS THE ENTIRE SAM LAUNCH COMPLEX SOUTH THROUGH THE SAM SUPPORT BASE AND THE SSM TEST AND SUPPORT COMPLEX.

[REDACTED] COVERS THE ENTIRE SSM FIRING LINE FROM LAUNCH COMPLEX H SOUTH THROUGH COMPLEX C RAIL LINE, LAUNCH COMPLEX D, AND THE AKHTUBINSK/VLADIMIROVKA AIRFIELD. MISSILE-RELATED ACTIVITY IS OBSERVED AT LAUNCH COMPLEXES H, C, AND D. NO NEW SSM/SAM MISSILE FACILITIES OBSERVED IN PORTIONS OF THE 50-NM SEARCH AREA COVERED.



KAPUSTIN YAR LAUNCH COMPLEX A

UR 4842N 04615E

APPROXIMATELY 45 VEHICLES ARE LOCATED THROUGHOUT THE SUPPORT AREA. A U-SHAPED BUILDING UNDER CONSTRUCTION

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

AND AN EXCAVATION ARE OBSERVED ALONG THE WEST SECURITY FENCE. TWO DARKENED LINEAR PATTERNS ARE OBSERVED ON LAUNCH PAD 1A-2. NO MISSILES OBSERVED. NO ADDITIONAL CHANGES OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LAUNCH COMPLEX B

UR 4841N 04616E

TEN VEHICLES/PIECES OF EQUIPMENT ARE PARKED IN THE SUPPORT AREA. NO MISSILES OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LAUNCH COMPLEX C

UR 4836N 04616E

LAUNCH COMPLEX C IS THE MOST ACTIVE PART OF THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER WITH MISSILE EXERCISES, NEW CONSTRUCTION, AND EQUIPMENT OBSERVED.

LAUNCH AREA 1C -- 1 PROBABLE CRANE AND 1 UNIDENTIFIED VEHICLE ARE LOCATED AT LAUNCH PAD 1C-1. A POSSIBLE LAUNCH STAND IS AT THE LAUNCH POINT AND THE SURROUNDING PAD IS DISCOLORED. AN APPROXIMATELY 80-FT LONG RAIL-SERVED CYLINDER/ERECTOR REMAINS ON PAD 1C-2. AN APPROXIMATELY [REDACTED] WIDE CYLINDRICAL OBJECT IS POSITIONED AT AN ANGLE ON PAD 1C-3 NEAR THE LAUNCH POINT. THIS CYLINDER IS ALIGNED AT APPROXIMATELY 90 DEGREES OR APPROXIMATELY 45 DEGREES FROM THE RAIL AND ROAD APPROACH TO THE PAD. A LARGE AREA OF DISCOLORATION OR BURN SCAR IS ALSO ON THIS PAD.

LAUNCH AREA 2C -- ACTIVITY IS OBSERVED AT LAUNCH SITE 2C-1. AT LEAST 2 CRANES ARE ADJACENT TO THE SERVICE TOWER. A PROBABLE SS-3 EXERCISE IS UNDERWAY AT LAUNCH SITE 2C-2. THE MISSILE [REDACTED] IS ERECTED WITH THE ERECTOR BOOM STILL RAISED. THE EMPTY TRANSPORTER WITH A [REDACTED] WHEELBASE HAS BEEN PULLED AWAY BEYOND THE ATT PRIME MOVER. ONE FUEL TRANSPORT TRAILER, 2 OXIDIZER TRANSPORT TRAILERS (1 WITH PRIME MOVERS), 1 PROBABLE OXIDIZER TRANSFER VEHICLE, AND 1 PROBABLE WATER TRANSPORTER ARE PARKED JUST EAST OF THE ERECTOR. TWO OTHER VANS, AN UNIDENTIFIED VEHICLE, AND

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

A PROBABLE POWER DISTRIBUTION TRAILER ARE ALSO ON THE PAD. CABLING RUNS FROM THIS TRAILER TO A GENERATOR AND 3 VANS AT THE CONTROL BUILDING OFF THE NW SIDE OF THE PAD. AT LEAST 9 OTHER SUPPORT VEHICLES ARE OBSERVED ON THE PAD ACCESS ROAD, IN THE DRIVE-IN REVETMENT, AND PARKED OFF THE PAD.

IN ADDITION, 7 VEHICLES ARE PARKED ON THE ROAD LEADING TO THE LAUNCH AREA AT THE C OPERATIONS CENTER. AT LEAST 20 VEHICLES ARE ALSO OBSERVED WITHIN THE C OPERATIONS CENTER.

LAUNCH AREA 3C -- AN SS-4 PROBABLE LIVE-FIRING EXERCISE IS UNDERWAY ON THE LAUNCH PAD. THE MISSILE IS ERECTED AND THE ERECTOR IS STILL IN POSITION WITH THE BOOM RAISED. INDICATORS OF A LIVE FIRING ARE THE SPILLAGE ON THE PAD AND COMPLETENESS OF THE SS-4 LAUNCH BATTERY. THE TRANSPORTER [] HAS BEEN REMOVED TO THE NE DUMBBELL PAD, THE FUEL TRAILER HAS BEEN REMOVED, THE TWO OXIDIZER TRANSPORT TRAILERS WITH YAAZ-214 PRIME MOVERS, AND THE OXIDIZER TRANSFER VAN ARE STILL IN PLACE SE OF THE ERECTOR. A PROBABLE H2O2 TRANSPORT TRUCK AND A WATER TRUCK ARE JUST NE OF THE ERECTOR. A MOBILE SERVICE PLATFORM AND A POSSIBLE DECONTAMINATION UNIT ARE OFF THE SE CORNER OF THE PAD. A PROBABLE LAUNCH CONTROL VAN AND GENERATOR ARE ON THE EASTERN EDGE OF THE PAD AND APPEAR TO BE CONNECTED TO A POWER DISTRIBUTION TRAILER NEAR THE LAUNCH STAND. EIGHT OTHER VEHICLES/VANS ARE POSITIONED NEARBY, INCLUDING 2 IN BUNKERS. FIVE TRUCKS/TRUCK VANS AND 3 SMALL VEHICLES/PIECES OF EQUIPMENT ARE PARKED AT THE ENTRANCE TO THE LAUNCH AREA. A MISSILE CHECKOUT TENT [] (FT) WHICH IS CONNECTED BY CABLING TO A CHECKOUT/SUPPORT VAN AND A GENERATOR ARE ALL ON THE SW DUMBBELL PAD. ALSO ON THIS PAD ARE 4 TRUCK VANS AND 2 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT. THREE SS-5 FUEL TRANSPORT TRAILERS AND PRIME MOVERS, 2 SS-5 OXIDIZER TRANSPORT TRAILERS AND PRIME MOVERS, 1 TRUCK VAN, AND 1 PROBABLE DOLLY ARE IN THE 3C FINAL CHECKOUT AREA, PROBABLY IN SUPPORT OF THE SS-5 EXERCISE IN LAUNCH SITE 5C-1.

LAUNCH AREA 4C -- 4 OF THE 7 SILOS AT LAUNCH AREA 4C ARE OPEN. AT LAUNCH SITE 4C-1, THE NW, NE, AND SE SILOS ARE OPEN AND A LOADING EXERCISE IS UNDERWAY AT THE NE SILO. A [] PROBABLE SILO LOADER IS PARTIALLY OVER THE OPEN SILO AND TWO [] POSSIBLE PROPELLANT TRAILERS AND A TRUCK ARE NEARBY. ANOTHER SHORTER PROBABLE SILO LOADER AND A PROBABLE TRUCK-MOUNTED CRANE ARE PARKED NEAR THE NW SILO.

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

MEASUREMENT ON THE OPEN NW SILO GIVES AN INNER DIAMETER OF [REDACTED]

A CRANE AND 2 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE LOCATED ON THE LOOP ROAD AT THE SW SILO. THE APPROXIMATELY [REDACTED] DIAMETER DARK CIRCLE, A SILO CAP, PREVIOUSLY OBSERVED ON THE TRANSFER APRON TO THE REAR OF THE NE SILO, IS NOW OBSERVED NEAR THE WESTERN FENCE LINE OF THE SITE.

AT LAUNCH SITE 4C-2, THE SW SILO IS OPEN. A CRANE AND POSSIBLE SILO LOADER ARE ON THE HARDSTAND AS ARE 8 TRUCKS/VANS AND 4 VEHICLES/PIECES OF EQUIPMENT. A PROBABLE SS-5 TRAINING MISSILE MINUS THE NOSE CONE SECTION IS ON A TRANSPORTER PARKED ON A PARKING APRON JUST OUTSIDE THE SITE LOOP ROAD. AN UNIDENTIFIED PIECE OF EQUIPMENT IS POSITIONED ACROSS THE ROAD FROM THE TRAINING MISSILE.

AT LAUNCH SITE 5C -- AN SS-5 EXERCISE, PROBABLY A LIVE FIRING, IS UNDERWAY AT LAUNCH SITE 5C-1. THE MISSILE IS ERECTED ON THE SOUTHERN PAD. THE ERECTOR IS STILL IN POSITION WITH THE BOOM UP. FIVE TRUCKS/VANS ARE PARKED NEAR THE PAD AND 4 VANS ARE PARKED ADJACENT TO A BUNKER SOUTH OF THE SITE LOOP ROAD. THIS IS PROBABLY A LIVE-FIRING EXERCISE AS THE EMPTY TRANSPORTER IS BEING REMOVED FROM THE LAUNCH AREA AT THE TIME OF COVERAGE. FIVE TRUCKS/VANS AND 10 VEHICLES/PIECES OF EQUIPMENT ARE PARKED ON THE ROAD SOUTH OF THE SITE ACCESS ROAD AND 3 TRUCKS/VANS AND 1 UNIDENTIFIED VEHICLE ARE PARKED ON THE HARDSTAND JUST OUTSIDE THE SITE. THE PROPELLANT VEHICLES FOR THIS EXERCISE APPEAR TO BE PARKED IN THE 3C CHECKOUT AREA.

A PROBABLE TRAINING MISSILE AND TRANSPORTER ARE ON THE LOOP ROAD NEAR THE NORTHERN PAD.

A CIRCULAR EXCAVATION [REDACTED] IN DIAMETER HAS BEEN DUG JUST OFF THE EASTERN CORNER OF THE LOOP ROAD AT 5C-2.

CONSTRUCTION CONTINUES ON THE 2 BUILDINGS REPORTED UNDER CONSTRUCTION ON [REDACTED] THE BUILDINGS ARE [REDACTED]

[REDACTED] BUILDING AND A SMALLER BUILDING ARE COMPLETE.

LAUNCH AREA 6C -- CONSTRUCTION CONTINUES AT LAUNCH AREA 6C. ALL 3 SILOS CAN NOW BE CONFIRMED. MEASUREMENTS GIVE AN INNER DIAMETER OF 20 FT AND AN OUTER DIAMETER OF [REDACTED] ON THE SILOS. NO CONSTRUCTION OF SILO HEADWORKS HAS TAKEN PLACE ABOVE THE FLOOR OF THE LARGE EXCAVATIONS. SEPARATION OF THE SILOS IS UNEQUAL, 330 FT BETWEEN THE SOUTHERN AND CENTRAL SILO AND 490 FT BETWEEN THE CENTRAL AND NORTHERN SILO. A SMALL STRUCTURE, APPROXIMATELY 30 X 15 FT, IS IN THE SW

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

CORNER OF EACH LARGE EXCAVATION AND IS OR WILL BE CONNECTED TO THE CONDUITS RUNNING BETWEEN THE CONTROL BUNKERS AND THE SILOS.

A SECOND CONTROL BUNKER HAS BEEN ADDED BEHIND THE ORIGINAL 40 X 40-FT BUNKER. THE NEW BUNKER MEASURES [REDACTED] AND IS ALSO TIED INTO THE CONDUIT NETWORK. A POSSIBLE MISSILE TRANSPORTER 70 FT LONG IS PARKED ALONG THE ACCESS ROAD NORTH OF THE SITE.

THE MR/IRBM TRAINING AREA (FORMERLY CALLED SSM BIVOUAC AREA) IS ACTIVE WITH 39 VEHICLES/PIECES OF EQUIPMENT ON THE LARGE TRAINING PAD. PARKED ON THE PAD PROPER ARE 3 MISSILE TRANSPORTERS APPROXIMATELY [REDACTED] LONG AND 5 TRUCKS/VANS. PARKED ON THE APPROACH APRON ARE 5 UNIDENTIFIED VEHICLES [REDACTED] 10 TRUCKS/VANS, AND 15 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT. IN THE MOTOR POOL AND BIVOUAC SECTIONS OF THE TRAINING AREA, AT LEAST 200 VEHICLES INCLUDING AT LEAST 7 MISSILE TRANSPORTERS, 7 PROPELLANT TRAILERS, AND 1 ERECTOR ARE OBSERVED.

MISSILE RECEIVING AND CHECKOUT AREA -- A NEW BUILDING MEASURING APPROXIMATELY [REDACTED] HAS BEEN CONSTRUCTED WEST OF THE HEATING PLANT IN THE MISSILE RECEIVING AND CHECKOUT AREA. THREE TRUCKS, APPROXIMATELY 5 RAIL CARS, AND A CRANE ARE PARKED WITHIN THE AREA.

FINAL ASSEMBLY AND CHECKOUT AREA -- A PROBABLE MISSILE MEASURING [REDACTED] IS BEING HANDLED BY A CRANE ON THE PAD BETWEEN THE LARGE CHECKOUT BUILDINGS. THE NEW [REDACTED] BUILDING IN THE NE CORNER OF THE AREA IS NEARING COMPLETION. ALSO PARKED ON THE HARDSTAND IN THE AREA ARE AN EMPTY SS-4 TRANSPORTER, THE CHASSIS OF A PROBABLE SS-2 TRANSPORTER-ERECTOR, 2 TRUCKS, AND AT LEAST 2 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT.

THE PROBABLE MISSILE ASSEMBLY AND CHECKOUT AREA IS ACTIVE WITH AT LEAST 50 RAIL CARS IN 4 TRAINS PARKED IN THE AREA. AT LEAST ONE OF THESE TRAINS IS BEING LOADED/UNLOADED WITH APPROXIMATELY 110 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT. AT LEAST 10 PROBABLE MISSILE TRANSPORTERS AND 35 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED PARKED THROUGHOUT THE AREA.

(SEE ATTACHMENT)

TOP SECRET

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

KAPUSTIN YAR LAUNCH COMPLEX D

UR 4828N 04618E

ONE SALISH/SAMLET MISSILE IS OBSERVED WITH WINGS FOLDED. ELEVEN VEHICLES/PIECES OF EQUIPMENT AND 6 SALISH/SAMLET SHIPPING CRATES ARE OBSERVED IN LAUNCH AREA 2D.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAPUSTIN YAR LAUNCH COMPLEX E

UR 4846N 04618E

NO CHANGE OBSERVED AT LAUNCH COMPLEX E. AT LEAST 400 VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED IN THE SRBM TRAINING AREA (FORMERLY CALLED TROOP TRAINING AREA) INCLUDING 2 ERECTED SCUD MISSILES, 8 TRACKED SCUD TEL, 9 WHEELED SCUD TEL, 24 MISSILE TRANSPORTER TRAILERS, 4 A-FRAME CRANES, 5 MISSILE CHECKOUT TENTS, AND APPROXIMATELY 220 PERSONNEL TENTS. CONSTRUCTION CONTINUES ON THE 2 BUILDINGS IN THE CANTONMENT AREA.

(SEE ATTACHMENT)

KAPUSTIN YAR LAUNCH COMPLEX G

UR 4822N 04617E

NO MISSILES OR MISSILE-RELATED EQUIPMENT OBSERVED EXCEPT FOR THAT IN THE SA-2 SITE. THE LAUNCH AREA AND APPROACH ROAD APPEAR TO BE IN DISREPAIR. THREE BUILDINGS AND AT LEAST 3 OTHER PROBABLE STRUCTURES HAVE BEEN CONSTRUCTED IMMEDIATELY EAST OF THE HOUSING AND SUPPORT AREA. A DERELICT FAGOT/FRESCO AIRCRAFT IS LOCATED NEARBY.

KAPUSTIN YAR LAUNCH COMPLEX H

UR 4848N 04620E

UNIDENTIFIED EQUIPMENT IS OBSERVED ON EACH LAUNCH PAD. THREE PROBABLE MISSILE DOLLIES WITH WHEEL BASE AND TOTAL LENGTH ARE IN THE SUPPORT AREA WITH AT LEAST 5 VEHICLES/PIECES OF EQUIPMENT AND SEVERAL CONTAINERS/PACKING CRATES. THE MAIN ACCESS ROAD TO THE

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

LAUNCH AND SUPPORT AREAS HAS BEEN HARD SURFACED.

KAPUSTIN YAR SAM LAUNCH COMPLEX

UR 4848N 04545E

THE ENTIRE SAM LAUNCH COMPLEX IS COVERED ON GENERALLY CLEAR, STEREO PHOTOGRAPHY. SOME HAZE AND OBLIQUITY LIMIT INTERPRETABILITY. SIGNIFICANT OBSERVATIONS INCLUDE EXTENSIVE MISSILE ACTIVITY AT THE SA-1 LAUNCH SITE, A NUMBER OF PROBABLE CLUTTER SCREENS AT THE PRECISION TRACKING RADAR FACILITY, AND A RING-SHAPED STRUCTURE NEWLY IDENTIFIED AT THE ELECTRONICS TEST FACILITY.

PRECISION TRACKING RADAR FACILITY -- 3 PROBABLE CLUTTER SCREENS CAN BE OBSERVED FOR THE FIRST TIME IN THE VICINITY OF THE DRIVE-THROUGH STRUCTURE WHICH SUPPORTS THE 40-FT DIAMETER RADAR DISH. TWO OF THE 3 SCREENS ARE LOCATED ON EACH SIDE OF THE STRUCTURE AND SEPARATE IT FROM THE TWO RECTANGULARLY SHAPED APRONS WHICH ARE EACH OCCUPIED WITH 6 ELECTRONIC VANS. THE THIRD SCREEN IS SE OF THE DRIVE-THROUGH STRUCTURE. A SHORTER SCREEN OR A POSSIBLE FENCE EXTENDS THE WIDTH OF THE LOOP ROAD PATTERN AND PARALLEL TO THE ENTRANCE OF THE DRIVE-THROUGH STRUCTURE. A POSSIBLE SCREEN OR FENCE IS ALSO LOCATED NEAR THE PROBABLE SECURITY BUILDING WHERE IT IS POSITIONED ON THE SIDE FACING THE PRECISION TRACKING RADAR. THE SERVICE TOWER, FORMERLY ERECTED IMMEDIATELY NORTH OF THE RADAR, IS NOW LYING ON THE GROUND.

PROBABLE LONG RANGE SAM LAUNCH FACILITY -- NO SIGNIFICANT CHANGES HAVE OCCURED AT THE TRACKING/GUIDANCE PORTION OF THE FACILITY. PROBABLE LAUNCHERS APPEAR AT EACH OF THE 2 LAUNCH POSITIONS AND AN UNIDENTIFIED PIECE OF EQUIPMENT APPROXIMATELY [] LONG IS NEAR THE NORTHERNMOST LAUNCH POSITION.

R&D LAUNCH AREA -- NO ACTIVITY OR CHANGES IN FACILITIES ARE APPARENT AT LAUNCH SITES A, C, D, E, AND F. LAUNCH SITE B IS STILL OCCUPIED WITH A PROBABLE LOW BLOW RADAR AND 7 VANS/TRUCKS ON THE CENTRALLY LOCATED GUIDANCE APRON, A PROBABLE STONE CAKE RADAR, AND 2 ELECTRONIC VANS, AND A BAR LOCK RADAR WITH 6 VANS/TRUCKS. THE 2 HOLD REVETMENTS ARE OCCUPIED WITH 5 OR 6 UNIDENTIFIABLE MISSILES APPROXIMATELY [] IN LENGTH, AT LEAST 12 UNIDENTIFIED PIECES OF EQUIPMENT APPROXIMATELY [] IN

TOP SECRET

TOP SECRET

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KH-7 MISSION 4037, 23-30 MAY 67

LENGTH, AND 7 PROBABLE SA-1 MISSILES ON SEMITRAILERS.

SA-1 LAUNCH SITE -- A TOTAL OF 38 GUILD MISSILES/MISSILE TRANSPORTERS IS OBSERVED IN THE LAUNCH SITE. EIGHT OF THE GUILDS ARE ERECTED IN THE VERTICAL POSITION.

SA-2 LAUNCH AREA -- ATTACHED TO THE EASTERN SIDE OF LAUNCH SITE A ARE 2 LAUNCH POSITIONS AND A PAVED APRON USED AS A GUIDANCE AREA. DUE TO CONTINUED OBSERVANCE OF FAN SONG RADARS AND ASSOCIATED VANS ON THE APRON, THE 2 LAUNCH POSITIONS AND ASSOCIATED GUIDANCE AREA WILL NO LONGER BE DESIGNATED AS A PART OF LAUNCH SITE A, BUT AS A SEPARATE LAUNCH SITE, DESIGNATED LAUNCH SITE AA. THE SAME SITUATION EXISTS ON THE WESTERN SIDE OF LAUNCH SITE B. ITS 2 LAUNCH POSITIONS AND ASSOCIATED GUIDANCE AREA WILL NOW BE DESIGNATED AS LAUNCH SITE BB.

LAUNCH SITE A -- THE GUIDANCE AREA IS OCCUPIED WITH A FAN SONG RADAR AND 8 ASSOCIATED VANS. TWO OF THE 5 OCCUPIED LAUNCH POSITIONS HAVE PROBABLE GUIDELINE MISSILES. THREE VANS, 1 TRUCK, AND 2 PROBABLE UNOCCUPIED TRANSPORTERS ARE OBSERVED AT THE SITE. AT LAUNCH SITE AA, THE GUIDANCE AREA IS OCCUPIED WITH A FAN SONG RADAR, 3 ASSOCIATED VANS, AND A PROBABLE GENERATOR VAN. THE 2 LAUNCH POSITIONS ARE OCCUPIED, ONE WITH A PROBABLE GUIDELINE MISSILE. TWO VANS ARE PARKED WEST OF THE GUIDANCE AREA.

LAUNCH SITE B -- THE GUIDANCE AREA IS OCCUPIED WITH A PROBABLE FAN SONG RADAR AND AT LEAST 8 ASSOCIATED VANS. THREE OF THE LAUNCH POSITIONS ARE OCCUPIED WITH PROBABLE LAUNCHERS, AND A FOURTH PROBABLE LAUNCHER IS PARKED NEAR ONE OF THE LAUNCH POSITIONS.

LAUNCH SITE BB -- THE GUIDANCE APRON IS OCCUPIED WITH 2 VAN TRUCKS AND 4 PROBABLE TRANSPORTERS. THE 2 LAUNCH POSITIONS ARE UNOCCUPIED.

LAUNCH SITE C IS UNOCCUPIED.

LAUNCH SITE E -- THE GUIDANCE AREA IS OCCUPIED WITH A FAN SONG E RADAR AND AT LEAST 10 ASSOCIATED VANS. SEVERAL UNIDENTIFIABLE VEHICLES/PIECES OF EQUIPMENT ARE LOCATED WITHIN THE SITE AREA. ALL 3 LAUNCH POSITIONS ARE OCCUPIED WITH LAUNCHERS. TO THE REAR OF LAUNCH SITES A AND B ARE 2 PAVED APRONS, ONE OCCUPIED WITH 10 GUIDELINE MISSILES ON PROBABLE SEMITRAILERS, THE SECOND

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TOP SECRET

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KH-7 MISSION 4037, 23-30 MAY 67

OCCUPIED WITH 3 POSSIBLE TRANSPORTERS, SEVERAL SETS OF PROBABLE BOGIE WHEELS, AND AT LEAST 3 VEHICLES/PIECES OF EQUIPMENT.

SA-3 LAUNCH AREA --

LAUNCH SITE A -- THE GUIDANCE AREA IS OCCUPIED WITH A POSSIBLE LOW BLOW RADAR AND AT LEAST 4 ASSOCIATED VANS. THREE OF THE 4 LAUNCH POSITIONS ARE OCCUPIED, 2 WITH POSSIBLE LAUNCHERS AND THE THIRD WITH PROBABLE GOA MISSILES ON LAUNCHERS. THREE VEHICLES/VANS ARE LOCATED WITHIN THE SITE AREA. THE SITE AREA. E OBSERVED.

LAUNCH SITE B -- THE TOWER IN THE REVETTED GUIDANCE AREA IS UNOCCUPIED. HOWEVER, 2 VEHICLES/VANS ARE LOCATED NEAR ITS BASE. TWO OF THE 4 LAUNCH POSITIONS ARE OCCUPIED WITH POSSIBLE LAUNCHERS. A POSSIBLE SA-3 MISSILE TRANSPORTER IS OBSERVED ON THE SERVICE ROAD BETWEEN 2 OF THE LAUNCH POSITIONS.

LAUNCH SITE C -- THE GUIDANCE AREA IS OCCUPIED WITH 3 VANS AND A VEHICLE/PIECE OF EQUIPMENT. TWO OF THE SPUR ROADS LEADING TO THE LAUNCH POSITIONS ARE OCCUPIED WITH A LARGE NUMBER OF VANS, ONE WITH 11 VANS/PIECES OF EQUIPMENT, AND THE OTHER WITH 8 VANS/PIECES OF EQUIPMENT.

LAUNCH SITE D -- THE GUIDANCE AREA IS OCCUPIED WITH A PROBABLE FAN SONG E RADAR AND 11 ASSOCIATED VANS. ONE VEHICLE/PIECE OF EQUIPMENT IS OBSERVED ON THE SERVICE ROAD. THE REMAINDER OF THE SITE IS UNOCCUPIED.

THE R&D YOYO AND THE SA-1 YOYO GUIDANCE SITES SHOW NO SIGNIFICANT CHANGES.

OPERATIONAL SAM SITE B30-2 -- THE GUIDANCE AREA IS OCCUPIED WITH A FAN SONG RADAR AND AT LEAST 2 ASSOCIATED VANS. THREE OF THE 6 OCCUPIED LAUNCH POSITIONS HAVE GUIDELINE MISSILES. A GUIDELINE MISSILE ON TRANSPORTER IS LOCATED ON THE SERVICE ROAD IN FRONT OF ONE OF THE MISSILE-OCCUPIED LAUNCH POSITIONS. FIVE PROBABLE GUIDELINE MISSILES OR DOLLIES ARE LOCATED IMMEDIATELY SOUTH OF THE SITE, ALONG THE FENCE WHICH SECURES THE HOUSING AND SUPPORT AREA.

NO SIGNIFICANT CHANGES ARE OBSERVED AT THE HOUSING AND SUPPORT AREA, THE SAM WARHEAD AREA, THE SAM CHECKOUT AND STORAGE AREA, AND THE TROPOSCATTER AND MICROWAVE COMMUNICATIONS FACILITY, EXCEPT FOR SOME SHIFT IN

TOP SECRET

NH-7 MISSION 4037, 23-30 MAY 67

VEHICLES AND EQUIPMENT.

ELECTRONIC TEST FACILITY -- 3 OF THE 4 RADAR MOUNDS ARE OCCUPIED, 2 WITH BACK NET RADARS AND ONE WITH A POSSIBLE BACK NET RADAR. IMMEDIATELY NORTH OF THE MOUNDS ARE 5 HEIGHT FINDER RADARS. IMMEDIATELY WEST OF THE MOUNDS IS THE BUILDING-MOUNTED TALL KING RADAR. THE OTHER TALL KING RADAR NEWLY IDENTIFIED ON MISSION [REDACTED] IS NO LONGER PRESENT. NO SIGNIFICANT CHANGE IS OBSERVED ON THE 50-FT RADOME OR THE TOWER LOCATED BETWEEN THE BEER CAN AND THE CENTER RADAR MOUND. THE RADAR ATOP THE EASTERN ELEVATED PLATFORM (BEER CAN) CAN BE CLEARLY DETECTED. HOWEVER, IT IS NOT POSSIBLE TO CONFIRM THAT IT IS THE SAME RADAR DESCRIBED ON [REDACTED] ALTHOUGH INTERPRETABILITY DOES NOT PERMIT NEGATING SIMILARITY. IN THE SEPARATELY SECURED AREA, A RING-LIKE SUPPORT STRUCTURE CAN BE OBSERVED ATOP THE APPROXIMATELY [REDACTED] PROBABLE ANTENNA SUPPORT BUILDING. THE OUTER RING DIAMETER MEASURES APPROXIMATELY [REDACTED] AND IS LOCATED ON THE WESTERN END OF THE BUILDING. NO ANTENNA CAN BE OBSERVED ATOP THE BUILDING.

KY AIRFIELD -- 4 CRATE, 5 CAB, 7 COLT, 10 HOUND, 1 PROBABLE CLOD, AND 2 SMALL STRAIGHT-WING AIRCRAFT ARE OBSERVED.

SAM BASE SUPPORT COMPLEX -- APPROXIMATELY 28 GUILD MISSILES ARE LYING UNCOVERED ALONG THE EASTERN FENCE LINE. ALTHOUGH INTERPRETABILITY DOES NOT PERMIT AN ACCURATE COUNT OF CANISTERS, AN ESTIMATED 250 TO 300 SA-2 CANISTERS ARE OBSERVED WITHIN THE COMPLEX. AT LEAST 11 PROBABLE MISSILE TRANSPORTERS AND 4 PROBABLE SA-2 MISSILES ON TRANSPORTERS ARE OBSERVED IN THE WESTERN PORTION OF THE COMPLEX. LOCATED ALONG THE NW EDGE OF THE SUPPORT COMPLEX ARE 3 UNOCCUPIED RADAR MOUNDS AND 3 OCCUPIED HARDSTANDS. ONE PROBABLE HEIGHT FINDER RADAR, 1 POSSIBLE KNIFE REST RADAR, AND 1 BAR LOCK RADAR ARE ON THE HARDSTANDS. IMMEDIATELY EAST OF THE HARDSTANDS ARE 6 VEHICLES AND 9 VANS AND A PROBABLE VAN-MOUNTED TALL KING RADAR. THE LATTER IS OBSERVED FOR THE FIRST TIME IN THAT AREA. TO THE REAR OF THE 2 WESTERNMOST UNOCCUPIED RADAR MOUNDS IS A NEWLY IDENTIFIED FACILITY. IT CONSISTS OF A BUILDING AND 4 HARDSTANDS. ALTHOUGH NO EQUIPMENT IS PRESENT, IT IS PROBABLY ELECTRONIC-ASSOCIATED DUE TO ITS LOCATION. SCARRING IN THIS AREA COULD BE OBSERVED ON MISSION [REDACTED]

TOP SECRET

K1

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TOP SECRET

25X

25X

KH-7 MISSION 4037, 23-30 MAY 67

SAM MARSHALLING AREA -- THE MARSHALLING SUPPORT AREA IS OCCUPIED WITH 5 VANS AND AT LEAST 20 VEHICLES/PIECES OF EQUIPMENT.

APRON 1 -- CONSTRUCTION ACTIVITY ON ONE OF THE BUILDINGS, FIRST OBSERVED ON [REDACTED] APPEARS COMPLETE. AT LEAST 15 VANS/TRUCKS AND 22 VEHICLES/PIECES OF EQUIPMENT ARE PRESENT.

25X

APRON 2 -- AT LEAST 13 PROBABLE PRIME MOVERS, 17 VANS, AND 6 VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED ON THE APRON. JUST OFF THE APRON ARE 16 PROBABLE PRIME MOVERS AND 6 PIECES OF EQUIPMENT.

APRON 3 -- 9 PROBABLE CANVAS-COVERED SA-2 LAUNCHERS AND 13 PROBABLE LOW-BED TRAILERS WITH CABS ARE OBSERVED.

APRON 4 -- 5 SA-3 FIRING UNITS AND 10 ADDITIONAL VANS ARE OBSERVED.

APRON 5 -- 5 SA-2 FIRING UNITS ARE OBSERVED.

APRON 6 -- 5 SA-2 FIRING UNITS AND A FAN SONG GUIDANCE UNIT WITHOUT ASSOCIATED LAUNCHERS ARE OBSERVED.

SAM TRAINING SITES A AND B ARE UNOCCUPIED.

NO SIGNIFICANT CHANGE HAS OCCURRED AT INSTRUMENTATION SITES 1 AND 3-9. EIGHT VEHICLES AND VANS ARE LOCATED ON THE ROAD NEAR THE ENTRANCE TO INSTRUMENTATION SITE 2, BUT NO SIGNIFICANT CHANGES TO FACILITIES ARE NOTED.

(SEE ATTACHMENT)

K1

25X

KAPUSTIN YAR MISSILE STOR & HANDLING AREA UR 4822N 04612E

ONE ASM-4 (KITCHEN), AT LEAST 46 PROBABLE ASM SHIPPING CRATES, AND 1 TRUCK-MOUNTED CRANE ARE OBSERVED IN THE AREA. THESE ARE IN THE SAME POSITIONS (EXCEPT FOR THE CRANE) AS ON EARLIER COVERAGE.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

K1

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25X

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

25X

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25X

KAPUSTIN YAR MSL TEST & SUPPORT COMPLEX UR 4834N 04553E

APPROXIMATELY 35 VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED IN THE TEST AND SUPPORT COMPLEX. AT LEAST 75 RAIL CARS ARE ON THE RAIL LINE BETWEEN THE TEST AND SUPPORT COMPLEX AND THE AIR LIQUEFACTION PLANT. NO MISSILES OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

THE ONLY FACILITIES COVERED AT THE TEST CENTER ARE LAUNCH COMPLEX A, PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2, TRACKING FACILITY 3, MICROWAVE FACILITY 3-I, COMMUNICATIONS FACILITY 5 (MW), AND SEVERAL IMPACT AREAS. NO NEW MISSILE FACILITIES OBSERVED.

25X

SARY-SHAGAN LAUNCH COMPLEX A (ZONE A) UR 4625N 07252E

LAUNCH COMPLEX A AND PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2 ARE COVERED ON CLEAR, STEREO PHOTOGRAPHY OF GENERALLY FAIR INTERPRETABILITY WITH SOME PORTIONS OF GOOD INTERPRETABILITY.

MISSILE ACTIVITY HAS INCREASED CONSIDERABLY IN THE AREA. A TOTAL OF 16 PROBABLE LONG RANG SAMs IS SEEN AT THE 2 COMPLEXES -- 11 AT LAUNCH COMPLEX A, 4 AT PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2, AND 1 PROBABLE IN THE MISSILE STORAGE AND CHECKOUT AREA. THIS IS THE GREATEST NUMBER OF THESE MISSILES OBSERVED TO DATE IN THE GENERAL AREA ON ANY ONE MISSION. THIS IS ALSO THE FIRST EVIDENCE OF 2 MISSILES OBSERVED ON THE 2 DOLLIES AT THE SAME LAUNCH POSITION SIMULTANEOUSLY.

SITES 1 AND 2 -- ACTIVITY CONTINUES AT LAUNCH SITE 1 WITH 2 GUIDELINE MISSILES OBSERVED, INCLUDING 1 BEING LOADED ON A LAUNCHER. LAUNCHERS ARE OBSERVED ON ALL

25X

TOP SECRET

25X

KH-7 MISSION 4037, 23-30 MAY 67

POSITIONS EXCEPT 1/6. AN UNIDENTIFIED LAUNCHER CONTINUES TO OCCUPY POSITION 1/7. JUST EAST OF 1/6 ARE 2 SA-2 LAUNCHERS AND A MISSILE ON A PROBABLE LAUNCHER. CLOSE TO THE EASTERN SITE BOUNDARY ARE 3 ADDITIONAL SA-2 LAUNCHERS, 8 SETS OF BOGIE WHEELS, AND 6 VANS. CLOSE TO THE NORTHERN BOUNDARY ARE 3 SA-2 LAUNCHERS AND 6 PROBABLE COVERED MISSILES, APPROXIMATELY [] LONG, ON TRANSPORTERS/CRADLES. THE FAN SONG E, B, OR C RADARS REMAIN IN THE GUIDANCE AREA. THE FAN SONG E RADAR REMAINS IN THE GUIDANCE AREA AT LAUNCH SITE 2. PROBABLE SCORPION LAUNCHERS ARE OBSERVED AT LAUNCH POSITIONS 2/5 AND 2/6 AND AN UNIDENTIFIED LAUNCHER IS ON THE SERVICE ROAD ADJACENT TO POSITION 2/2. THE LATTER IS APPROXIMATELY [] LONG AND GENERALLY RESEMBLES AN SA-2 LAUNCHER, BUT APPEARS SOMEWHAT BULKIER. THESE ARE THE FIRST CONFIRMED LAUNCHERS OBSERVED AT LAUNCH SITE 2. THE REMAINING LAUNCH POSITIONS ARE UNOCCUPIED. IN THE SITE SUPPORT FACILITY ARE 21 VEHICLES/PIECES OF EQUIPMENT.

SITES 3 AND 4 -- A SOMEWHAT INCREASED TEMPO IN MISSILE ACTIVITY IS OBSERVED AT LAUNCH SITE 3 WHERE 6 MISSILES ARE OBSERVED. LAUNCHERS ALSO OCCUPY EACH POSITION. MISSILES ARE OBSERVED ON LAUNCHERS AT POSITIONS 3/3, 3/4, AND 3/5, ON THE RIGHT DOLLY AT POSITION 3/5, AND ON BOTH DOLLIES AT POSITION 3/6. ONE DOLLY IS ALSO OBSERVED AT POSITION 3/2 AND 2 ARE AT POSITION 3/4. THE CENTRAL AREA IS OCCUPIED BY 4 VANS/GENERATORS. ADJACENT, TO THE NORTH, ARE 7 LAUNCHERS, 1 MISSILE TRANSPORTER, 1 VAN, APPROXIMATELY 16 MISSILE DOLLIES, AND 2 PROBABLE MOCKUP MISSILES. THERE ARE NOW 5 LAUNCHERS IN POSITION AT LAUNCH SITE 4. THE REAPPEARANCE OF 4 ADDITIONAL LAUNCHERS SINCE MISSION [] INDICATES RENEWED ACTIVITY AT THIS SITE. A MISSILE OCCUPIES THE RIGHT DOLLY AT POSITION 4/1. THE BOOSTERS ARE IDENTIFIABLE ON THIS MISSILE, BUT NO FURTHER INFORMATION IS OBTAINABLE. ONE DOLLY IS NOTED AT POSITIONS 4/2 AND 4/4 AND 2 DOLLIES AT POSITION 4/3. THE CENTRAL AREA IS OCCUPIED BY 5 VANS/GENERATORS.

ELECTRONIC SITE B AND THE MISSILE HANDLING AREA -- AT ELECTRONIC SITE B, THE ENGAGEMENT RADAR IS SEEN AT RADAR POSITIONS B-1 AND B-2. THE 2 RADARS ARE ORIENTED IN DIFFERENT DIRECTIONS. RADAR POSITION B-3 REMAINS UNOCCUPIED. AT THE MISSILE HANDLING AREA TO THE EAST, 2 MISSILES CAN BE SEEN IN TANDEM POSITION CLOSE TO THE NORTH END OF THE EASTERN OF THE 2 PARALLEL, 215-FT LONG, ELEVATED RAIL-EQUIPPED STRUCTURES. TWO SHORT,

KH-7 MISSION 4037, 23-30 MAY 67

UNIDENTIFIED OBJECTS ARE SEEN FOR THE FIRST TIME AT THE ENTRANCE TO THE U-SHAPED REVETMENT JUST EAST OF THESE STRUCTURES. JUST SW AND SE OF THE STRUCTURES ARE APPROXIMATELY 18 CRATES/TRANSPORTERS/VEHICLES, SOME OF WHICH HAVE MOVED SINCE [REDACTED] 25X

SITES 5 AND 6 AND ELECTRONIC SITE C -- NO SIGNIFICANT CHANGES ARE OBSERVED AT LAUNCH SITE 5 SINCE [REDACTED] 25X AND ALTHOUGH NO CHANGE IN FACILITIES IS APPARENT AT LAUNCH SITE 6, 2 TRENCHES, NEW SINCE THAT DATE, ARE OBSERVED EXTENDING FROM THE VICINITY OF LAUNCH SITE 6 TOWARD THE MISSILE STORAGE AND CHECKOUT AREA. THE 1 TRENCH APPARENTLY ORIGINATES AT THE PRINCIPAL NORTH/SOUTH CABLELINE JUST WEST OF LAUNCH SITE 6 AND ALMOST REACHES THE SOUTHERN BOUNDARY OF THE CHECKOUT AREA AND THE OTHER EXTENDS FROM THE EAST-CENTRAL PORTION OF THE OUTER FENCELINE OF LAUNCH SITE 6 AND PROCEEDS APPROXIMATELY THREE-FOURTHS OF THE DISTANCE TO THE CHECKOUT AREA. AT ELECTRONIC SITE C, THE LARGE ANTENNAS REMAIN ON THE GROUND AT RADAR POSITIONS C-1 AND C-2. A NUMBER OF SMALL UNIDENTIFIED OBJECTS HAS APPEARED SINCE [REDACTED] CLOSE TO THE NW CORNER OF POSITION C-2. CONSIDERABLE ACTIVITY HAS TAKEN PLACE RECENTLY AT RADAR POSITION C-3 AND AT THE CONTROL CENTER. THE SQUARE PAD CONSTRUCTED JUST EAST OF THE RING AT POSITION C-3 BETWEEN [REDACTED] AND [REDACTED] 25X

[REDACTED] WAS FIRST OBSERVED OCCUPIED ON EQUIPMENT IDENTIFIABLE ON THE CURRENT MISSION INCLUDES A POSSIBLE PROBABLE LONG RANGE SAM ENGAGEMENT RADAR BEING ASSEMBLED AND 4 PROBABLE ELECTRONIC VANS AS WELL AS 1 VAN ADJACENT TO THE PAD. A TOWER, PROBABLY INTENDED FOR INSTALLATION OF ELECTRONIC EQUIPMENT, HAS BEEN ERECTED JUST EAST OF THE PAD SINCE [REDACTED] THE EASTERN OUTER FENCE SEGMENT ENCLOSING RADAR POSITION C-3 HAS BEEN REALIGNED. A BREAK IN THIS FENCE SEGMENT PROVIDES ACCESS FOR TRAILS FROM THE SITE. UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT OBSERVED ON THE RECENTLY CONSTRUCTED APRON ADJACENT TO THE NW CORNER OF THE CENTRAL CONTROL BUILDING ON [REDACTED] CAN NOW BE IDENTIFIED AS A PROBABLE LONG RANGE SAM ENGAGEMENT RADAR AND 9 PROBABLE ELECTRONIC VANS. NEW POSSIBLE CABLING CONNECTS THIS APRON WITH THE NEW PAD AT POSITION C-3 AND WITH THE NEW TOWER. THE SHORT CABLE SEGMENT HAS BEEN BURIED WITHIN THE FENCED AREA WHICH EXTENDS FROM THE CENTRAL CONTROL BUILDING BOTH TO PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2 AND TO ITS ASSOCIATED AIR WARNING SITE. SINCE [REDACTED] 1 BUILDING HAS BEEN DISMANTLED CLOSE TO THE NE CORNER OF [REDACTED] 25X

H-7 MISSION 4037, 23-30 MAY 67

THE CENTRAL CONTROL AREA.

ELECTRONIC SITE D -- AT ELECTRONIC SITE D, 3 ADDITIONAL VANS HAVE APPEARED SINCE [REDACTED] CLOSE TO THE NORTH BOUNDARY AND A CABLE TRENCH, NEW SINCE [REDACTED] SERVES THE SITE.

AT ELECTRONIC SITE E, A ROCK CAKE/STONE CAKE RADAR, A PROBABLE BIG MESH RADAR, AND A BAR LOCK RADAR CAN BE IDENTIFIED AS WELL AS SEVERAL VANS WITH MASTS.

AT ELECTRONIC SITE F, SINCE [REDACTED] 2 BACK NET AND 1 SIDE NET RADAR HAVE LEFT ELECTRONIC SITE F, LEAVING ONLY 2 BACK NET RADAR. ADDITIONAL VANS/PIECES OF EQUIPMENT HAVE APPEARED AT THE SITE DURING THIS PERIOD.

MISSILE STORAGE AND CHECKOUT AREA -- IN THE MISSILE STORAGE AND CHECKOUT AREA, 1 PROBABLE LONG RANGE SAM, APPROXIMATELY [REDACTED] LONG, IS OBSERVED ON AN APRON NEAR THE NE BOUNDARY. AN EXTENSION, 25 X 20 FT, IS BEING ADDED TO THE EASTERNMOST 160 X 60-FT MISSILE STORAGE/HANDLING BUILDING. NUMEROUS CRATES AND PIECES OF EQUIPMENT ARE OBSERVED IN THE AREA. TRENCHING, NEW SINCE [REDACTED] IS OBSERVED EXTENDING ALONG THE EASTERN PORTION OF THE AREA.

PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2 -- LAUNCHERS ARE OBSERVED AT ALL LAUNCH POSITIONS OF THE 2 LAUNCH SITES EXCEPT AT LAUNCH POSITION B/2, WHICH REMAINS UNOCCUPIED. A MISSILE IS ON THE LAUNCHER AT POSITION A/2. THE LAUNCHER AT POSITION A/5 IS IN AN ERECT POSITION. TWO DOLLIES ARE OBSERVED AT EACH OF THE 12 LAUNCH POSITIONS. A COVERED MISSILE OCCUPIES EACH OF THE 2 DOLLIES AT POSITION A/6. THE DOLLIES AT LAUNCH POSITIONS B/1 THROUGH B/4 REMAIN PARKED AT RIGHT ANGLES TO THE NORMAL WORKING ALIGNMENT POSITION. THOSE AT POSITIONS B/5 AND B/6 HAVE BEEN REALIGNED. ALL DOLLIES AT LAUNCH SITE B ARE COVERED. ALTHOUGH RAILS ARE NOT DISCERNIBLE AT LAUNCH SITE B, AT POSITIONS B/1 AND B/6 THERE IS EVIDENCE OF SOME ACTIVITY IN THE AREA BETWEEN THE LAUNCH POINTS AND THE DOLLIES. THE 2 ENGAGEMENT RADARS REMAIN IN THE ASSOCIATED TRACKING/GUIDANCE RADAR FACILITY. A MISSILE TRANSPORTER WITH AN APPROXIMATELY [REDACTED] LONG MISSILE IS OBSERVED ON 1 OF THE SERVICE ROADS WITHIN THE FACILITY WHICH PROVIDES ACCESS TO THE 2 LAUNCH SITES. NO SIGNIFICANT CHANGES ARE OBSERVED IN THE BACK NET/SIDE NET AIR WARNING SITE TO THE NE OR IN THE 2 NEARBY UNIDENTIFIED SITES.

[] KH-7 MISSION 4037, 23-30 MAY 67 []

NO SIGNIFICANT CHANGES ARE OBSERVED SINCE [] AT ELECTRONIC SITE G, THE HEADQUARTERS AND ADMINISTRATION AREA, THE ON-SITE SAM SUPPORT FACILITY, AND THE AIRSTRIP. 25X

(SEE ATTACHMENT)

K1 [] ANTIPINSKOYE SAM TRAINING FACILITY

UR 5251N 11336E [] 25X

HENCEFORTH, THE COMPONENTS OF THE ANTIPINSKOYE SAM TRAINING FACILITY WILL BE DESIGNATED AS FOLLOWS --

THE SOUTHERN MIRROR IMAGE LAUNCH SITES WILL CONSTITUTE LAUNCH AREA 1.

THE NORTHERN MIRROR IMAGE LAUNCH SITES WILL CONSTITUTE LAUNCH AREA 2.

THE NORTHERNMOST LAUNCH AREA WILL BE DESIGNATED LAUNCH AREA 3.

WHERE MORE THAN ONE LAUNCH SITE IS PRESENT WITHIN A LAUNCH AREA, THEY WILL BE DESIGNATED ALPHABETICALLY FROM SOUTH TO NORTH.

THE SMALL SUPPORT AREA 4 NM EAST OF THE HEADQUARTERS/HOUSING AREA WILL BE DESIGNATED SUPPORT AREA A.

THE SUPPORT/STORAGE AREA 0.5 NM EAST OF THE HEADQUARTERS/HOUSING AREA WILL BE DESIGNATED SUPPORT AREA B.

THE MAIN SUPPORT BASE WILL BE DESIGNATED THE HEADQUARTERS/HOUSING AREA.

K1 [] LAUNCH AREA 1 -- AT LAUNCH SITE A, 1 LAUNCH POSITION IS OCCUPIED BY A MISSILE ON LAUNCHER, 3 ARE OCCUPIED BY LAUNCHERS, AND 2 ARE UNOCCUPIED. THE GUIDANCE AREA CONTAINS A FAN SONG RADAR (PROBABLE TYPE E) AND 8 SUPPORT VANS.

AT LAUNCH SITE B, 2 LAUNCH POSITIONS ARE OCCUPIED BY MISSILES ON LAUNCHERS, 3 ARE OCCUPIED BY LAUNCHERS, AND 1 IS UNOCCUPIED. THE GUIDANCE AREA CONTAINS A FAN SONG RADAR AND 7 SUPPORT VANS.

AROUND THE LAUNCH AREA ARE 6 PROBABLE MISSILE TRANSPORTERS, 5 VAN TRAILERS, 4 VAN TRUCKS, AND 6 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED AROUND THE LAUNCH AREA.

KH-7 MISSION 4037, 23-30 MAY 67

LAUNCH AREA 2 -- AT LAUNCH SITE A, 4 LAUNCH POSITIONS ARE OCCUPIED BY MISSILES ON LAUNCHERS AND 2 ARE OCCUPIED BY LAUNCHERS. THE GUIDANCE AREA CONTAINS A FAN SONG RADAR (PROBABLE TYPE E) AND 8 SUPPORT VANS. AT LAUNCH SITE B, 3 LAUNCH POSITIONS ARE OCCUPIED BY MISSILES ON LAUNCHERS, 1 IS OCCUPIED BY A LAUNCHER AND MISSILE ON TRANSPORTER, AND 2 ARE OCCUPIED BY LAUNCHERS. THE GUIDANCE AREA CONTAINS A FAN SONG RADAR AND 7 VANS.

FIVE EMPTY MISSILE TRANSPORTERS, 1 COVERED MISSILE TRANSPORTER, 3 VAN TRAILERS, 5 VAN TRUCKS, 8 SETS OF BOGIE WHEELS, AND 6 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE OBSERVED AROUND THE LAUNCH AREA.

LAUNCH AREA 3 -- LAUNCH SITE A CONTAINS ONE 6-POSITION UNREVIEWED LAUNCH SITE WITH 4 POSITIONS OCCUPIED AND 2 POSITIONS POSSIBLY OCCUPIED. THE GUIDANCE AREA CONTAINS A RADAR AND 6 VANS. POSSIBLE LAUNCH SITE B CONTAINS ONE POSSIBLE 6-POSITION LAUNCH SITE, UNOCCUPIED, LOCATED JUST NORTH OF LAUNCH SITE A. ALSO WITHIN THE AREA ARE AT LEAST 1 COVERED MISSILE TRANSPORTER AND 6 SETS OF PROBABLE BOGIE WHEELS.

FIVE PROBABLE VEHICLES IN A REVETMENT AND 17 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT ARE IN THE MOTOR POOL ADJACENT TO THE HEADQUARTERS/HOUSING AREA.

SUPPORT AREA B CONTAINS AT LEAST 100 MISSILE CANISTERS, APPROXIMATELY 50 WING/BOOSTER CRATES, 8 COVERED MISSILE TRANSPORTERS, 6 EMPTY MISSILE TRANSPORTERS, 5 PROBABLE MISSILE TRANSPORTERS, AT LEAST 5 PROBABLE LAUNCHERS, AND 25 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT.

APPROXIMATELY 30 UNIDENTIFIED VEHICLES/PIECES OF EQUIPMENT AND 6 BUILDINGS ARE LOCATED APPROXIMATELY 0.3 NM SOUTH OF SUPPORT AREA B.

SUPPORT AREA A CONTAINS AT LEAST 1 MISSILE TRANSPORTER WITH A PROBABLE GUIDELINE (SA-2) MISSILE. ONE COVERED MISSILE TRANSPORTER IS MOVING ON THE ROAD BETWEEN SUPPORT AREAS A AND B. NO NEW CONSTRUCTION OBSERVED IN THE ENTIRE AREA.

X1
LAUNCH AREA 1 -- AT LAUNCH SITE A, 4 LAUNCH POSITIONS ARE OCCUPIED BY LAUNCHERS AND 2 ARE UNOCCUPIED.

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

AT LAUNCH SITE B, 5 LAUNCH POSITIONS ARE OCCUPIED BY LAUNCHERS AND PROBABLE MISSILE TRANSPORTERS AND 1 IS UNOCCUPIED.

LAUNCH AREA 2 -- AT LAUNCH SITE B, 5 LAUNCH POSITIONS ARE OCCUPIED BY LAUNCHERS ONLY AND 1 BY A MISSILE ON LAUNCHER AND TRANSPORTER.

TWO BUILDINGS AND 1 HOUND HELICOPTER ARE LOCATED APPROXIMATELY 1.5 NM SE OF THE HEADQUARTERS/HOUSING AREA. A HELICOPTER WAS PROBABLY PRESENT IN APPROXIMATELY THE SAME LOCATION ON THE PREVIOUS DAY.

NO CHANGE IN THE REST OF THE FACILITY SINCE

(SEE ATTACHMENT)

NENOKSA MISSILE TEST CENTER

UR 6438N 03911E

A NEW LAUNCH AREA, FIRST OBSERVED UNDER CONSTRUCTION ON [REDACTED] AND ORIENTED ON AN AZIMUTH OF APPROXIMATELY 330 DEGREES, HAS BEEN COMPLETED. THE AREA IS DESIGNATED LAUNCH AREA C. IT IS SECURED BY A DOUBLE FENCE AND SERVED BY A CONCRETE LOOP ROAD AND A SINGLE RAIL SPUR. THE AREA CONTAINS 1 LAUNCH PAD WITH A MAXIMUM LENGTH OF 200 FT AND A WIDTH OF [REDACTED] THE PAD IS CONNECTED BY A CONDUIT LEADING 130 FT SW TO A PROBABLE FUEL TRANSFER POINT WHICH IS SERVED BY THE RAIL SPUR. ADDITIONAL FEATURES IN THE AREA INCLUDE A RAIL-SERVED SUPPORT BUILDING, A POSSIBLE CONTROL BUILDING, 3 SMALL STRUCTURES, 1 LATTICE TOWER, 1 UNIDENTIFIED STICK MAST, AND 3 GUARD TOWERS.

THE MAIN OPERATIONS/LAUNCH AREA IN THE CENTER OF THE COMPLEX IS DESIGNATED LAUNCH AREA A. IT CONTINUES TO BE OCCUPIED BY 3 INCLINED UNOCCUPIED LAUNCHERS. PROBABLE SS-CD-1 CRATES, OBSERVED ADJACENT TO THE LAUNCH PAD ON [REDACTED] ARE NOT PRESENT. AT LEAST 6 PROBABLE SS-N-3 CRATES ARE ADJACENT TO THE RAIL LINE IN THE SUPPORT AREA 2 NM EAST. AN AREA 1 NM WEST OF LAUNCH AREA A IS DESIGNATED LAUNCH AREA B. THE AREA WAS PRESENT WHEN THE COMPLEX WAS FIRST COVERED ON [REDACTED] IT IS SECURED BY A SOLID WALL FENCE AND CONTAINS A NEARLY CIRCULAR CONCRETE APRON WITH A DIAMETER OF APPROXIMATELY 200 FT, A PROBABLE

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

CONTROL BUILDING, 2 SMALL STRUCTURES, 1 LARGE AND 1 SMALL BUNKERED STRUCTURES, 2 UNIDENTIFIED BUNKERS, AND A WASTE DISPOSAL UNIT APPROXIMATELY 200 FT WEST OF THE AREA. MODIFICATION OF LAUNCH AREA B WAS FIRST OBSERVED ON [REDACTED] AND WAS COMPLETE ON [REDACTED]

[REDACTED] THE MODIFICATION CONSISTS OF THE CONSTRUCTION OF THE PROBABLE CONTROL BUILDING, 1 SMALL STRUCTURE, AND THE 2 UNIDENTIFIED BUNKERS.

(SEE ATTACHMENT)

[REDACTED]

NENOKSA MISSILE TEST CENTER U/I AREA

UR 6438N 03913E

THE UNIDENTIFIED AREA, FIRST OBSERVED UNDER CONSTRUCTION ON [REDACTED] HAS BEEN COMPLETED AND IS DESIGNATED LAUNCH AREA C.

IN THE FUTURE THIS UNIDENTIFIED AREA WILL BE REPORTED UNDER NENOKSA MISSILE TEST CENTER, [REDACTED]

[REDACTED]

SEVERODVINSK NAVAL BASE AND SHIPYARD 402

UR 6434N 03949E

OB -- [REDACTED] -- LAUNCHING BASIN (FLOODED) -- 1 UNIDENTIFIED AUXILIARY AND 1 TUG.

FITTING-OUT QUAY MAIN YARD -- 1 U-BALLISTIC MISSILE SUBMARINE (2 ROWS OF AT LEAST 4 MISSILE TUBES ARE VISIBLE AFT OF THE SAIL. THE OPEN MISSILE TUBE CAPS ON THE PORT SIDE OF THE SHIP ARE READILY APPARENT AND APPEAR TO BE SMALLER THAN THOSE PREVIOUSLY OBSERVED ON G-AND H-BALLISTIC MISSILE SUBMARINES.) ALSO, 1 E-II-SSGN, 2 N-SSN (BOTH IN FLOATING DOCKS), 5 RECTANGULAR SUPPORT BARGES, AND 4 UNIDENTIFIED VESSELS. WEST BASIN AREA -- 1 J-SSG, 2 RIGA-DE, 2 KRONSTADT-PC, 8 PATROL CRAFT (ON QUAY), 1 TRANSPORTER DOCK, AND 29 UNIDENTIFIED VESSELS.

NUCLEAR SUBMARINE SEPCIAL SUPPORT FACILITY -- 1 N-SSN AND 1 RECTANGULAR SUPPORT BARGE. TWO UNIDENTIFIED VESSELS ARE MOORED JUST OFF THE QUAY.

NORTH YARD -- 1 H-II-SSBN (WITH PARTIALLY SCAFFOLDED SAIL), 1 G-II-SSB, 1 G-SSB, 1 Z-V-SSB, 1 W-TWIN-CYLINDER SSG, 1 ZEYA-YRSN, 1 BOLVA-APL, 1 BUSSARD-AKL, 1 YAGT, 2 RECTANGULAR SUPPORT BARGES, AND 13 UNIDENTIFIED SMALL VESSELS ALONG THE QUAYS. ONE

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

H-SSBN, 1 G-SSB, 1 N-SSN, AND 2 RECTANGULAR SUPPORT BARGES ARE IN THE WET DOCK.
EAST QUAY -- 1 CATAMARAN-TYPE VESSEL, 6 UNIDENTIFIED VESSELS, AND 1 FLOATING CRANE.
UNIDENTIFIED FACILITY -- 1 UNIDENTIFIED VESSEL.

CHANGES AND ADDITIONS IN OB FOR PASS [REDACTED] LAUNCHING BASIN (DRY) -- 1 LARGE UNIDENTIFIED SUBMARINE APPROXIMATELY 410 TO 420 FT IN LENGTH. THIS SUBMARINE IS NOT A U-CLASS.
FITTING-OUT QUAY MAIN YARD -- ONE OF THE FLOATING DOCKS THAT CONTAINED A N-SSN IS NOW EMPTY AND IS LOCATED AT THE EAST END OF THE QUAY NEAR THE BASIN GATE. THE N-SSN THAT WAS IN THE FLOATING DOCK IS NOW AT THE WEST END OF THE QUAY. A THIRD N-SSN IS NOW IN THE BERTHING SPACE NEAREST THE PERPENDICULAR FLOATING DOCK. A LAUNCHING APPARATUS, CONSISTING OF 7 SETS OF 3 CRADLES/TRUCKS, IS POSITIONED ON THE SIDE-LAUNCHING WAY OF CONSTRUCTION HALL NUMBER 2 (DIESEL SHED).
WEST BASIN AREA -- 1 E-II-SSGN, 1 SVERDLOV-CL, 1 KRESTA-DLGM, AND 1 RIGA-DE. THE 2 KRONSTADT-PC HAVE DEPARTED.
NUCLEAR SUBMARINE SPECIAL SUPPORT FACILITY -- THE N-SSN AND THE RECTANGULAR SUPPORT BARGE HAVE MOVED TO THE OPPOSITE (EAST) END OF THE QUAY.
NORTH YARD -- THE SAIL OF THE H-II-SSBN NOW APPEARS TO BE COMPLETELY SCAFFOLDED.

CONSTRUCTION CONTINUES ON THE NEW FABRICATION BUILDING, THE WEST BASIN AREA, THE COVERED REPAIR WAY, AND THE QUAYED AREAS AT THE NORTH YARD AND THE WEST BASIN. A PIER IS UNDER CONSTRUCTION JUST NORTH OF THE GATE TO THE MAIN LAUNCHING BASIN. A NEW LOOP ROAD HAS BEEN ADDED IN THE MISSILE STORAGE/HANDLING AREA.

(SEE ATTACHMENT)

GUBA SAYDA SUBMARINE BASE

UR 6915N 03320E

OB -- 2 H-SSBN, 3 G-I-SSB, 1 G-SSB, 1 K-I-SS, 1 ASL, 1 DNEPR-AR, 2 PM-124-YRSN, 1 SKORYY-AG, 1 LIBAU AGCL, 1 BOLVA APL, 1 YR, 1 FLOATING CRANE, AND 6 SMALL CRAFT. ONE SVERDLOV-CL, 1 KRUPNYY-DDGS, 6 SKORYY-DD, 4 AUXILIARIES, 1 YR, AND 8 SMALL CRAFT AT THE WEST END OF GUBA SAYDA.

KH-7 MISSION 4037, 23-30 MAY 67

TWO BUILDINGS ARE UNDER CONSTRUCTION IN THE HOUSING AREA.

GUBA LITSA NAVAL MISSILE STORAGE

UR 6923N 03226E

SECURED MISSILE STORAGE AND HANDLING FACILITY, LOCATED APPROXIMATELY 2 NM SOUTH OF THE SUBMARINE BASE, INCLUDES 17 EARTH-COVERED BUILDINGS (2 UNDER CONSTRUCTION), 4 BUNKERS, 1 ARCH-ROOFED BUILDING, A FUEL STORAGE AREA, 2 VEHICLE STORAGE AREAS, A BARRACKS AND ADMINISTRATION AREA, AND NUMEROUS RELATED BUILDINGS.

OB -- 81 MISSILE CRATES, 17 MISSILE TRANSPORTERS, 4 TRUCK-MOUNTED CRANES, 7 TRUCK TRACTORS, 2 FUEL SEMITRAILERS WITH TRACTORS, 1 WHEELED CRANE, 2 MISSILE SERVICE TENTS, 5 SMALL ARCH-ROOFED SHELTERS, 4 TENTS, AND NUMEROUS SMALL CRATES, TRUCKS, AND UNIDENTIFIED PIECES OF EQUIPMENT.

**Air
Facilities**

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

AIR FACILITIES

KIPELOVO AIRFIELD

UR 5911N 03907E

OB -- 13 BEAR B, 1 BEAR A, AND 1 CAB.

NO NUCLEAR OR MISSILE STORAGE FACILITY OBSERVED.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

KAZAN AIRFRAME PLANT GORBUNOV 22

UR 5551N 04906E

OB -- 12 BLINDER, 8 BADGER, 1 CAT/CUB, AND 4 CAB.

CONSTRUCTION CONTINUES ON THE LARGE SHOP BUILDING.

RAMENSKOYE FLIGHT TEST CENTER

UR 5533N 03808E

OB -- [] - 16 IDENTICAL DELTA-WING AIRCRAFT ARE 60 FT LONG WITH A WING SPAN OF [] AND A FUSELAGE DIAMETER OF APPROXIMATELY 10 FT. THE AIRCRAFT HAS A POINTED NOSE AND 2 PROBABLY INTERNALLY MOUNTED ENGINES WITH CHEEK INTAKES FORWARD OF THE WING ROOT. THE CANOPY IS POSITIONED FORWARD OF THE AIR INTAKES. THE HORIZONTAL STABILIZERS ARE SWEEPED AND MOUNTED ON THE SIDES OF THE FUSELAGE. THE VERTICAL STABILIZER APPEARS TO BE POSITIONED FORWARD ON THE FUSELAGE SIMILAR TO THE USAF F-105. THESE AIRCRAFT ARE SIMILAR TO THOSE IDENTIFIED AT NOVOSIBIRSK AIRFIELD NORTHEAST BY THE FOREIGN TECHNOLOGY DIVISION AS NEW GENERATION ON

[] ONE DELTA-WING AIRCRAFT IS [] LONG WITH A WING SPAN OF [] THE AIRCRAFT HAS A SINGLE ENGINE AND IS CONFIGURED SIMILAR TO THE FISHPOT (SU-9). THREE DELTA-WING AIRCRAFT 70 FT LONG WITH A WING SPAN OF 40 FT ARE SIMILAR TO THE ONES OBSERVED AT AKHTUBINSK/VLADIMIROVKA ON [] FURTHER ANALYSIS REVEALS THESE AIRCRAFT TO HAVE TWIN VERTICAL STABILIZERS. ALSO OBSERVED ARE 2 V/STOL (1 IN DERELICT AREA), ONE [] LONG TWIN-ENGINE AIRCRAFT (POSSIBLY YAKOLEV DESIGN), ONE [] LONG DELTA-WING WITH A WING SPAN OF 30 FT, 1 BOUNDER, 2 BISON, 1 BEAR, 7 BLINDER, 15 BADGER, 7 BEAGLE, 4 FIDDLER, 10 FISHPOT,

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

11 FITTER (1 WITHOUT TAIL), 17 FISHBED, 15 FIREBAR/BREWER, 1 FLASHLIGHT, 5 FARMER, 1 FRESCO, 3 FAGOT, 1 MANDRAKE, 3 CLASSIC, 2 CLEAT, 2 COOKER, 9 CAMEL, 3 CRUSTY, 5 COOKPOT, 14 COOT, 7 CAT/CUB, 2 COKE, 1 CRATE, 4 CAB, 1 COLT, 3 MAYA, 3 HOOK, 1 HARKE, 12 HOUND, 1 PROBABLE HIP-C, 3 UNIDENTIFIED SMALL HELICOPTERS, AND 1 SMALL STRAIGHT-WING. ONE BEAGLE, 1 FIREBAR-TYPE, 1 COOT, 1 PROBABLE CLASSIC FUSELAGE, AND 1 PROBABLE CRUSTY FUSELAGE ARE IN THE DERELICT AREA.

[REDACTED] - 16 IDENTICAL DELTA-WING AIRCRAFT 60 FT LONG (SEE [REDACTED] 1 DELTA-WING [REDACTED] LONG SIMILAR TO THE FISHPOT (SEE [REDACTED] 2 AIRCRAFT SIMILAR TO THE AIRCRAFT ON [REDACTED] AT AKHTUBINSK/VLADIMIROVKA (SEE [REDACTED] 2 PROBABLE V/STOL (1 IN THE DERELICT AREA), ONE [REDACTED] LONG TWIN-ENGINE AIRCRAFT (POSSIBLY YAKOLEV DESIGN), ONE [REDACTED] LONG DELTA-WING, 1 BOUNDER, 2 BISON, 1 BEAR, 8 BLINDER, 14 BADGER, 7 BEAGLE, 4 FIDDLER, 15 FISHPOT (1 WITHOUT TAIL), 11 FITTER, 18 FISHBED, 16 FIREBAR/BREWER, 1 FLASHLIGHT/FIREBAR, 1 FLASHLIGHT, 4 FARMER, 1 FRESCO, 4 FAGOT, 1 MANDRAKE, 3 CLASSIC, 2 CLEAT, 2 COOKER, 10 CAMEL, 2 CRUSTY, 6 COOKPOT, 14 COOT, 6 CAT/CUB, 1 CAMP, 2 COKE, 1 CRATE, 4 CAB, 2 COLT, 3 MAYA, 3 HOOK, 1 HARKE, 13 HOUND, 1 HIP-C, 3 UNIDENTIFIED SMALL HELICOPTERS, AND 1 SMALL STRAIGHT-WING. ONE BEAGLE, 1 COOT, 1 PROBABLE CLASSIC FUSELAGE, AND 1 PROBABLE CRUSTY FUSELAGE ARE IN THE DERELICT AREA.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

VORONEZH AIRCRAFT ASSEMBLY PLANT 64

UR 5138N 03915E [REDACTED]

08 -- 1 FIDDLER B LOADED WITH 3 PROBABLE ASH AIR-TO-AIR MISSILES, 2 FIDDLER, 1 CAMP, 1 CRATE, AND 4 CAB. THREE ADDITIONAL ASH MISSILES ARE ADJACENT TO THE FIDDLER B.

CONSTRUCTION CONTINUES ON A WORKSHOP IN THE CENTER OF THE PLANT. AN UNIDENTIFIED AIRCRAFT FUSELAGE IS PRESENT NEAR THE SOUTH END OF THE FINAL ASSEMBLY HALL. THE PREVIOUSLY REPORTED RUNWAY EXTENSION NOW APPEARS COMPLETE. AN ENGINEERING/ADMINISTRATION SECTION IS

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

BEING ADDED TO A WORKSHOP ON THE WEST SIDE OF THE RUNWAY.

(SEE ATTACHMENT)

GORKIY/SORMOVO AIRFIELD

UR 5619N 04348E

OB -- -- 20 FISHBED, 1 FAGOT/FRESCO, 2 CRATE, AND 2 CAB.

-- 1 DELTA-WING SIMILAR TO THE AIRCRAFT IDENTIFIED AT AKHTUBINSK/VLADIMIROVKA ON AND AT RAMENSKOYE FLIGHT TEST CENTER ON AND OF THIS MISSION. THIS AIRCRAFT ALSO APPEARS TO HAVE TWIN VERTICAL STABILIZERS. THE AIRCRAFT IS NEAR THE FINAL ASSEMBLY BUILDING. ALSO, 13 FISHBED, 1 FAGOT/FRESCO, 1 CAMP, 2 CRATE, 3 CAB, AND 2 PROBABLE CREEK.

(SEE ATTACHMENT)

GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21

UR 5619N 04351E

THE LARGE BUILDING IS STILL IN AN EARLY STAGE OF CONSTRUCTION.

SEE GORKIY/SORMOVO AIRFIELD, FOR AIRCRAFT.

ULAN-UDE AIRFRAME PLANT 99

UR 5151N 10744E

OB -- 1 MANDRAKE, 1 COKE, AND 1 CAB.

CONSTRUCTION IS NEARING COMPLETION ON THE SUBASSEMBLY BUILDING.

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

AKHTUBINSK/VLADIMIROVKA AIRFIELD

UR 4818N 04613E

OB -- ALONG TAXIWAY AND ADJACENT TO PARKING APRONS -- 2
AIRCRAFT SIMILAR TO THOSE OBSERVED AT THIS FIELD ON

2 BEAR-A, 1 PROBABLE BEAR-C, 1
BEAR-C LOADED WITH KANGAROO ASM ON SE CROSSOVER, 4
BLINDER, 18 BADGER, 1 BEAGLE, 1 FIDDLER, 1 FISHPOT, 2
FITTER, 1 FISHBED, 5 POSSIBLE FISHBED, 10 FIREBAR, 1
POSSIBLE FIREBAR, 1 FLASHLIGHT, 3 FRESCO, 1 FAGOT, 2
CAMEL, 1 COOKPOT, 1 CAMP, 1 POSSIBLE COOT, 8 CRATE, 1
CAB, 2 COLT, 23 SMALL SWEEP-WING, 3 LIGHT
STRAIGHT-WING, AND 13 HOUND.

AT AIRBORNE WEAPONS COMPLEX -- 2 POSSIBLE FIDDLER, 1
SMALL DELTA-WING, 16 SMALL SWEEP/DELTA-WING, AND 4
SMALL SWEEP-WING.

AT NEW PARKING AREA ADJACENT TO 13,250-FT RUNWAY -- 2
BADGER, 3 POSSIBLE BADGER, 4 BEAGLE, 38 POSSIBLE
MANDRAKE, AND 10 FRESCO.

AT TEST AREA -- 1 BADGER, 2 BULL, 3 BEAGLE, AND 15
SMALL SWEEP-WING.

NO NEW CONSTRUCTION, COMPONENTS, OR PARTIALLY ASSEMBLED
AIRCRAFT/MISSILES OBSERVED.

NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153

UR 5504N 08259E

OB -- 5 DELTA-WING APPROXIMATELY 60 FT LONG AND SIMILAR
TO THE 16 TWIN-ENGINE DELTA-WING AIRCRAFT AT RAMENSKOYE
FLIGHT TEST CENTER IDENTIFIED ON THIS MISSION.
PHOTOGRAPHY OF ONLY FAIR INTERPRETABILITY PRECLUDES
DETERMINING THE NUMBER OF ENGINES. ALSO, 4
FIREBAR-TYPE, 3 FAGOT/FRESCO, 1 CAB, 1 HOUND, AND 1
SMALL STRAIGHT-WING.

A LARGE RECTANGULAR BUILDING IS UNDER CONSTRUCTION IN
THE CENTER PORTION OF THE PLANT. NO MISSILES, MISSILE
COMPONENTS, OR LONG RAIL CARS OBSERVED.

TASHKENT AIRFRAME PLANT B CHKALOV 84

UR 4118N 06918E

OB -- 1 COCK, 2 CAT/CUB, 1 MEDIUM STRAIGHT-WING,
AND 2 HOOP.

1 COCK, 23 CAT/CUB, 4 CRATE, 6 CAB, AND 2 HOOP.

TOP SECRET

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

CONSTRUCTION CONTINUES AT THE PLANT. THE EXACT STATUS OF CONSTRUCTION IS UNDETERMINED.

ARKHANGELSK/TALAGI AIRFIELD

UR 6436N 04043E

OB -- 2 FIDDLER B. (ONE FIDDLER B IS LOADED WITH AIR-TO-AIR MISSILES. FOUR OTHER AIR-TO-AIR MISSILES ARE ON THE PARKING APRON IN FRONT OF THE SECOND FIDDLER B.) ALSO, 15 FIDDLER, 7 FAGOT/FRESCO, 1 COOKPOT, 1 COOT, 3 CAT/CUB, 1 CAMP, 1 COKE, 1 CRATE, 5 CAB, AND 1 HOUND.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

(SEE ATTACHMENT)

VORONEZH AIRFIELD SOUTHWEST

UR 5137N 03908E

NO COMOR

OB -- 16 BEAGLE, 9 FIDDLER, 2 FIDDLER B (EACH LOADED WITH 4 PROBABLE ASH AIR-TO-AIR MISSILES), 28 PROBABLE FIREBAR, 9 FISHBED, 4 FAGOT/FRESCO, 3 CRATE, 5 CAB, 1 CLOD, 1 COLT, AND 3 HOUND (1 WITHOUT ROTORS).

TOP SECRET

Nuclear Energy

25X2

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

Next 1 Page(s) In Document Exempt

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

**Naval
Activity/
Ports**

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

NAVAL ACTIVITY/PORTS

GORKIY SHIPYARD & HEAVY EQUIP PLT 112 UR 5622N 04352E

OB -- 1 PREVIOUSLY REPORTED NEW CLASS SS, 2 J-SSG (1 IN LAUNCH BASIN AND 1 AT FITTING-OUT POSITION WITH SAIL COMPLETELY SCAFFOLDED), THREE 445-FT STEP-DOWN TRANSPORTER DOCKS (2 OF THESE UNITS ARE NOW RIGGED AND THE THIRD UNIT IS BEING RIGGED WITH BLOCKS AND PILLOWS IDENTICAL TO THE RIGGING SEEN IN THE 390-FT TRANSPORTER DOCK IN [REDACTED] THE 390-FT TRANSPORTER WAS OBSERVED ON [REDACTED] OCCUPIED BY A UNIT OF THE NEW CLASS SUBMARINE AND HAS SINCE DEPARTED.) ALSO, 2 SMALL TRANSPORTERS (APPROXIMATELY 200 FT AND 260 FT IN LENGTH OVERALL), 1 LARGE PROBABLE BARGE UNDER CONSTRUCTION ON THE OPEN BUILDING WAY, 1 ZEYA YRSN, 2 PROBABLE APL, 7 YR, 1 AIR-CUSHION VEHICLE SIMILAR TO SORMOVICH (APPROXIMATELY [REDACTED] IN LENGTH OVERALL) ON A BARGE, 2 BARGES, 2 AT A FLOATING CRANE, AND SEVERAL SMALL CRAFT. TWO J-CLASS SSG SAILS ARE ON THE QUAY BACK OF THE CRANEWAY.

CONSTRUCTION CONTINUES ON THE NEW LARGE BUILDING. WORK ON THE QUAY AREA CONSISTS OF 2 SUCTION DREDGES DEPOSITING HYDRAULIC FILL AT THE EAST AND WEST EXTREMITIES OF THE QUAY.

(SEE ATTACHMENT)

LENINGRAD SHIPYARD SUDOMEKH 196

UR 5955N 03016E

OB -- AT SHIPYARD -- 4 PROBABLE F/Z-SS (3 AT QUAY AND 1 IN FLOATING DOCK), 2 TUGS, 3 PROBABLE YR, 1 PROBABLE OLD MERCHANT SHIP (NOVOSIBIRSK), AND 1 SMALL CRAFT. AT THE SCHMIT EMBANKMENT -- 1 PROBABLE W-SS INBOARD OF A POSSIBLE T-301-MSL AND 1 PROBABLE T-43 MSF OUTBOARD OF A SAIL TRAINING SHIP.

A BUILDING ADDITION IS UNDER CONSTRUCTION ADJACENT TO THE 3-DOOR SHED (OLD 2-DOOR SHED). POOR INTERPRETABILITY PRECLUDES A DETERMINATION OF CONSTRUCTION STATUS.

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

LENINGRAD SHIPYARD ZHDANOV 190

UR 5952N 03013E

OB -- IN FITTING-OUT BASIN -- 2 KRESTA DLGM (1 ALONGSIDE QUAY AND 1 MEDITERRANEAN-MOORED TO QUAY), 1 UNIDENTIFIED LARGE PROBABLE COMBATANT MEDITERRANEAN-MOORED TO QUAY (MOSTLY OBSCURED BY CLOUDS), 1 PROBABLE KRUPNYY DDGS MEDITERRANEAN-MOORED TO NW END OF FITTING-OUT BASIN (NO ARMAMENT IS VISIBLE ON THIS VESSEL), 2 PROBABLE VYTEGRALES TIMBER CARRIERS ALONGSIDE QUAY, AND 1 OLD MERCHANT HULL (PROBABLY [REDACTED]) [REDACTED] ONE POSSIBLE COMBATANT HULL IS ON THE SOUTH BUILDING WAY. ONLY THE STERN IS VISIBLE FROM BENEATH THE CLOUDS.

THE ROOF OF THE MAIN FABRICATION BUILDING IS APPARENTLY BEING REBUILT. POOR INTERPRETABILITY PRECLUDES IDENTIFICATION OF MISSILES, ANTENNAS, OR OTHER ELECTRONIC EQUIPMENT.

[REDACTED]

TOP SECRET

**Biological/
Chemical
Warfare**

25X2

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

**Electronics/
Communications**

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

ELECTRONICS/COMMUNICATIONS

OLENEGORSK DUAL HEN HOUSE

UR 6806N 03355E

THE ENTIRE FACILITY IS COVERED ON NON-STEREO
PHOTOGRAPHY OF GOOD INTERPRETABILITY. NO SIGNIFICANT
CHANGE HAS OCCURRED IN THE OPERATIONS AREA SINCE
[REDACTED] NO CONSTRUCTION MATERIALS OR
EQUIPMENT ARE OBSERVED IN THE OPERATIONS AREA.

IN THE SUPPORT AREA, ONE SINGLE-STORY BARRACKS WAS
RAZED BETWEEN [REDACTED]

[REDACTED] 2 SINGLE-STORY BARRACKS HAVE BEEN
RAZED AND ONE IS IN THE PROCESS OF BEING DISMANTLED.
CONSTRUCTION HAS BEGUN ON 2 BUILDINGS SINCE MISSION

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

**Military
Activity**

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

MILITARY ACTIVITY

KALININGRAD AMMO DEPOT LADUSHKIN DA 2 UR 5434N 02012E

THREE ARCH-ROOFED BUILDINGS, ONE NOT EARTH COVERED, HAVE BEEN CONSTRUCTED AND AN ARYS-TYPE BUNKER IS IDENTIFIED IN THE EASTERN SECTION. NO OTHER CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED. (SEE MILITARY BONUS 1 FOR THE TACTICAL SSM SUPPORT FACILITY.)

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

CHOYBALSAN MILITARY COMPLEX

MG 4804N 11430E

A PROBABLE SOVIET TENT CAMP 1.9 NM WEST OF CHOYBALSAN CONTAINS 35 USB-41 SOVIET-TYPE TENTS, 1 POSSIBLE MESSHALL, 2 SUPPORT BUILDINGS, 2 HUTS, AND A MOTOR PARK. FACILITY WITH 9 BUILDINGS UNDER CONSTRUCTION, 7 BUILDING FOUNDATIONS, A WATER INTAKE, AND 1 TENT IS IMMEDIATELY SOUTH OF THE TENT CAMP. THE POWERPLANT ADJACENT TO THE BARRACKS AND STORAGE AREA ON THE EAST EDGE OF CHOYBALSAN IS APPROXIMATELY 30 PERCENT COMPLETE.

OB -- 1 TRUCK-MOUNTED CRANE, 2 PROBABLE POL TRUCKS, 38 CARGO TRUCKS, 2 VANS, 3 TRAILERS, 4 UNIDENTIFIED VEHICLES WITH A RAISED PORTION OVER THE CAB, AND 30 PIECES OF EQUIPMENT.

(SEE ATTACHMENT)

TINDOUF MILITARY ACTIVITY

AG 2742N 00808W

OB -- 4 PROBABLE 122MM CORPS GUNS, 6 PROBABLE 122MM HOWITZERS, 4 PROBABLE ATT TRACKED PRIME MOVERS, 48 CARGO TRUCKS, AND 5 UNIDENTIFIED VEHICLES IN THE GARRISON AREA, 2 POSSIBLE TANKS IN WADI APPROXIMATELY 5 NM EAST OF TINDOUF, AND 9 PROBABLE TRACKED VEHICLES APPROXIMATELY 1 NM SOUTH OF TINDOUF. CONSIDERABLE TRACKED VEHICLE ACTIVITY IS SOUTH AND EAST OF TINDOUF. A PROBABLE TANK/ASSAULT-GUN FIRING RANGE UNDER CONSTRUCTION IS APPROXIMATELY 11 NM NE OF TINDOUF.

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

CONSIDERABLE ROAD CONSTRUCTION ACTIVITY AND HEAVY ENGINEERING CONSTRUCTION EQUIPMENT ARE ON THE ROAD FROM TINDOUF TO THE AIRFIELD AND EAST OF THE AIRFIELD. PROBABLE MILITARY GUARD CAMPS ARE OBSERVED PARALLEL TO AND NORTH OF THE ROAD CONSTRUCTION ACTIVITY.

CONSTRUCTION HAS BEEN CONTINUOUS ON THE ARTILLERY GUN EMPLACEMENTS, DEFENSIVE POSITIONS, AND ENTRENCHMENTS SINCE [REDACTED]

(SEE ATTACHMENT)

KALININGRAD TACTICAL SSM SUPPORT FACILITY UR 5435N 02013E BONUS 1

12.5 NM SW OF KALININGRAD IN THE WESTERN PORTION OF THE KALININGRAD AMMO DEPOT LADUSHKIN DA-2 [REDACTED] NEWLY IDENTIFIED FACILITY CONTAINS AN ARYS-TYPE

[REDACTED] 1 EARTH-COVERED, ARCH-ROOFED MISSILE STORAGE BUILDING, AND 1 ARCH-ROOFED MISSILE STORAGE BUILDING UNDER CONSTRUCTION.

NO VEHICLES, WEAPONS, OR EQUIPMENT OBSERVED.

Complexes

TOP SECRET

KH-7 MISSION 4037, 23-30 MAY 67

COMPLEXES

ULAAN BAATAR COMPLEX

MG 4755N 10655E

A SIGNIFICANT INCREASE IN THE BUILDUP OF A PROBABLE SOVIET-TYPE BARRACKS AND STORAGE AREA IS OBSERVED ON THE EAST EDGE OF ULAAN BAATAR AND HAS OCCURRED SINCE

[REDACTED] TWENTY-THREE BARRACKS, 34 PROBABLE SOVIET-TYPE TENTS, 25 PROBABLE SOVIET PYRAMID-TYPE TENTS, 12 LARGE GENERAL STORAGE BUILDINGS, 10 SMALL STORAGE BUILDINGS, 15 STORAGE/SUPPORT BUILDINGS, 1 HF HORIZONTAL DIPOLE ANTENNA, AND 3 OPEN STORAGE AREAS HAVE BEEN ADDED TO THE EXISTING FACILITIES.

OB -- 4 PROBABLE SSCM TRANSPORTER/LAUNCHER SEMITRAILERS WITH TRUCK TRACTORS AND 24 SUPPORT VEHICLES, 11 TANKS/ASSAULT GUNS, 6 SA-2 LAUNCHERS, 12 SA-2 LAUNCHERS WITH PRIME MOVERS, 6 SA-2 TRANSPORTERS, 14 POSSIBLE BTR-50P APC, 6 POSSIBLE FA PIECES, 6 POSSIBLE MISSILE CANISTER TRANSPORTERS (3 CANVAS COVERED), 2 TRUCK-MOUNTED CRANES, 280 CARGO TRUCKS, 25 POSSIBLE CARGO TRAILERS, 25 POSSIBLE UAZ 69 UTILITY VEHICLES, 30 PROBABLE UAZ 69 UTILITY VEHICLES, 20 POSSIBLE VAN TRUCKS, 7 LOW BED TRAILERS, 2 SEMITRAILERS WITH TRUCK TRACTOR, 2 SEMITRAILERS, AND 135 VEHICLES/PIECES OF EQUIPMENT.

TWO NM ESE OF THIS AREA IS A SECURED MOTOR PARK WITH 46 POSSIBLE BTR-60P APC, 33 CARGO TRUCKS, AND 10 PIECES OF EQUIPMENT.

ULAN-UDE RR STATION CLF YARDS A SHOPS

UR 5150N 10734E

THE RAIL YARD IS APPROXIMATELY 40 PERCENT FILLED.

NO SSM, SSM-RELATED EQUIPMENT, OR LARGE CRATES OBSERVED.

TOP SECRET

Index

TOP SECRET

Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 67

25X

25X

INDEX OF TARGETS

AN ASTERISK (*) IN THE FINAL COLUMN DESIGNATES A TARGET THAT IS IDENTIFICATION ONLY.

COMOR

INSTALLATION NAME

CTY COORDINATES OAK

PLESETSK MISSILE AND SPACE CENTER	UR 6254N 04038E 2
PLESETSK ICBM LAUNCH SITE 11	UR 6257N 04126E 2
PLESETSK ICBM PROB LAUNCH SITE 12	UR 6258N 04132E 2
PLESETSK ICBM LAUNCH SITE 14	UR 6258N 04133E 2
PLESETSK ICBM LAUNCH SITE 15	UR 6258N 04124E 2
PLESETSK ICBM LAUNCH SITE 17	UR 6254N 04124E 2
PLESETSK ICBM LAUNCH SITE 21	UR 6258N 04123E 2
YURYA ICBM COMPLEX	UR 5904N 04917E 2
VERKHNYAYA SALDA ICBM COMPLEX	UR 5802N 06024E 2
TYURATAM MISSILE TEST CENTER	UR 4538N 06317E 1
TYURATAM LAUNCH COMPLEX B	UR 4559N 06333E 1
TYURATAM LAUNCH COMPLEX F	UR 4601N 06305E 1
TYURATAM LAUNCH COMPLEX G	UR 4604N 06255E 1
TYURATAM LAUNCH GROUP K (SITE K1-K2)	UR 4601N 06303E 1
TYURATAM LAUNCH GROUP K (SITE K3)	UR 4604N 06256E 1
TYURATAM LAUNCH GROUP L	UR 4603N 06259E 1
TYURATAM LAUNCH GROUP M (SITE M1)	UR 4603N 06302E 1
TYURATAM LAUNCH GROUP M (SITE M2)	UR 4600N 06301E 1
TYURATAM LAUNCH GROUP M (SITE M3)	UR 4602N 06306E 1
TYURATAM LAUNCH GROUP N (SITE N1)	UR 4602N 06303E 1
TYURATAM LAUNCH GROUP N (SITE N2-N3)	UR 4604N 06257E 1
YOSHKAR-OLA ICBM COMPLEX	UR 5633N 04801E 2
SVOBODNYI ICBM COMPLEX	UR 5146N 12806E 1
SVOBODNYI ICBM POSS LAUNCH SITE 60 (M)	UR 5142N 12831E *
DROVYANAYA ICBM COMPLEX	UR 5131N 11300E 2
KOSTROMA ICBM COMPLEX	UR 5746N 04101E 2
ITATKA ICBM COMPLEX	UR 5650N 08535E 2
SHADRINSK ICBM COMPLEX	UR 5607N 06339E 2
OMSK ICBM COMPLEX	UR 5504N 07331E 2
PERM ICBM LAUNCH COMPLEX	UR 5742N 05619E 2
TYUMEN ICBM COMPLEX	UR 5652N 06551E 1
YEDROVO ICBM COMPLEX	UR 5751N 03340E 2
UZHUR ICBM COMPLEX	UR 5517N 08949E 1
UZHUR ICBM LAUNCH SITE 4 (A)	UR 5517N 08926E *
NOVOSIBIRSK ICBM COMPLEX	UR 5515N 08259E 2
KOZELSK ICBM COMPLEX	UR 5356N 03549E 2
KOZELSK ICBM LAUNCH SITE 23	UR 5340N 03546E *
OLOVYANNAYA ICBM COMPLEX	UR 5049N 11550E 1
OLOVYANNAYA ICBM LAUNCH SITE 40 (F)	UR 5050N 11603E *
OLOVYANNAYA ICBM LAUNCH SITE 42 (F)	UR 5049N 11607E *
ZHANGIZ-TOBE ICBM COMPLEX	UR 4912N 08109E 2
ZHANGIZ-TOBE ICBM LAUNCH SITE 12 (B)	UR 4922N 08106E *

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KH-7 MISSION 4037, 23-30 MAY 67

DOMBAROVSKIY ICBM COMPLEX	UR 5101N 05950E	1
ALEYSK ICBM COMPLEX	UR 5229N 08243E	2
KARTALY ICBM COMPLEX	UR 5302N 06034E	1
KARTALY ICBM LAUNCH SITE 1 (A)	UR 5301N 06025E	*
IMENI GASTELLO ICBM COMPLEX	UR 5106N 06618E	2
TATISHCHEVO ICBM COMPLEX	UR 5140N 04534E	2
TATISHCHEVO ICBM LAUNCH SITE 12 (B)	UR 5136N 04530E	*
TATISHCHEVO ICBM LAUNCH SITE 13 (B)	UR 5134N 04523E	*
TATISHCHEVO ICBM LAUNCH SITE 14 (B)	UR 5133N 04524E	*
TATISHCHEVO ICBM LAUNCH SITE 16 (B)	UR 5129N 04528E	*
TATISHCHEVO ICBM LAUNCH SITE 22 (C)	UR 5132N 04513E	*
TATISHCHEVO ICBM LAUNCH SITE 30 (B)	UR 5140N 04529E	*
TATISHCHEVO ICBM LAUNCH SITE 35 (X)	UR 5141N 04532E	*
TATISHCHEVO ICBM RAIL-TO-ROAD TRANSFER PT	UR 5141N 04532E	*
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E	2
KAPUSTIN YAR LAUNCH COMPLEX A	UR 4842N 04615E	2
KAPUSTIN YAR LAUNCH COMPLEX B	UR 4841N 04616E	2
KAPUSTIN YAR LAUNCH COMPLEX C	UR 4836N 04616E	2
KAPUSTIN YAR LAUNCH COMPLEX D	UR 4828N 04618E	2
KAPUSTIN YAR LAUNCH COMPLEX E	UR 4846N 04618E	2
KAPUSTIN YAR LAUNCH COMPLEX G	UR 4822N 04617E	2
KAPUSTIN YAR LAUNCH COMPLEX H	UR 4848N 04620E	2
KAPUSTIN YAR SAM LAUNCH COMPLEX	UR 4848N 04545E	2
KAPUSTIN YAR MISSILE STOR & HANDLING AREA	UR 4822N 04612E	2
KAPUSTIN YAR MSL TEST & SUPPORT COMPLEX	UR 4834N 04553E	2
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E	2
SARY-SHAGAN LAUNCH COMPLEX A (ZONE A)	UR 4625N 07252E	2
MAKAT FIELD LAUNCH POINT MRBM	UR 4758N 05342E	1
AYBATKAZGAN SSM AREA TUMA TAU	UR 4645N 06825E	1

ANTIPINSKOYE SAM TRAINING FACILITY	UR 5251N 11336E	2
NENOKSA MISSILE TEST CENTER	UR 6438N 03911E	2
NENOKSA MISSILE TEST CENTER U/I AREA	UR 6438N 03913E	2
KAPUSTIN YAR 650 NM IMPACT AREA	UR 4740N 06200E	1
ZAGORSK ROCKET ENG TEST FAC KRASNOZAVODSK	UR 5625N 03810E	1
PERM ARMAMENT PLANT 172	UR 5802N 05618E	1
VORONEZH ROCKET ENGINE TEST FACILITY	UR 5134N 03909E	1
PERM ROCKET ENGINE TEST FACILITY	UR 5800N 05634E	1
KRASNOARMEYSK SOLID MOTOR DEV FACILITY	UR 5609N 03810E	1
ORENBURG AIRFRAME PLANT 47	UR 5148N 05507E	1
BIYSK ROCKET MOTOR TEST FACILITY	UR 5229N 08507E	1

KAMYSHIN PROB LONG RANGE SAM SEARCH	UR 4208N 04140E	1
SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E	2
GUBA SAYDA SUBMARINE BASE	UR 6915N 03320E	2
GUBA PALA NAVAL BASE AND SHIP REPAIR YARD	UR 6911N 03325E	1
GUBA LITSA SUBMARINE BASES NORTH & SOUTH	UR 6926N 03224E	1
GUBA LITSA NAVAL MISSILE STORAGE	UR 6923N 03226E	2
LENINGRAD NW PROB LONG RANGE SAM LCH CPLX	UR 6027N 02942E	1

TOP SECRET

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KH-7 MISSION 4037, 23-30 MAY 67

TALLINN PROB LONG RANGE SAM LCH CPLX	UR 5924N 02419E 1
ALI-BAYRAMLY SAM SITE B17-3	UR 3938N 04859E 1
LENKORAN SAM SITE B36-3	UR 3859N 04848E 1
SUROVATIKHA REGIONAL MILITARY STOR INSTLN	UR 5543N 04352E 1
TAMBOV REGIONAL MILITARY STORAGE INSTLN	UR 5227N 04127E 1
TOROPETS REGIONAL MIL STORAGE INSTLN	UR 5621N 03138E 1
UKRAINA AIRFIELD	UR 5110N 12826E 1
NEZHIN AIRFIELD	UR 5105N 03152E 1
ANADYR/LENINKA AIRFIELD	UR 6444N 17744E 1
KIPELOVO AIRFIELD	UR 5911N 03907E 2
KAZAN AIRFRAME PLANT GORBUNOV 22	UR 5551N 04906E 2
RAMENSKOYE FLIGHT TEST CENTER	UR 5533N 03808E 2
VORONEZH AIRCRAFT ASSEMBLY PLANT 64	UR 5138N 03915E 2
GORKIY/SORMOVO AIRFIELD	UR 5619N 04348E 2
GORKIY AIRFRAME PLANT ORDZHONIKIDZE 21	UR 5619N 04351E 2
ULAN-UDE AIRFRAME PLANT 99	UR 5151N 10744E 2
KUYBYSHEV AIRFRAME PLANT LENIN 18	UR 5312N 05018E 1
AKHTUBINSK/VLADIMIROVKA AIRFIELD	UR 4818N 04613E 2
NOVOSIBIRSK AIRFRAME PLANT CHKALOV 153	UR 5504N 08259E 2
TASHKENT AIRFRAME PLANT B CHKALOV 84	UR 4118N 06918E 2
ARKHANGELSK/TALAGI AIRFIELD	UR 6436N 04043E 2
VORONEZH AIRFIELD SOUTHWEST	UR 5137N 03908E 2

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GORKIY SHIPYARD & HEAVY EQUIP PLT 112	UR 5622N 04352E 2
LENINGRAD SHIPYARD SUDOMEKH 196	UR 5955N 03016E 2
LENINGRAD SHIPYARD ZHDANOV 190	UR 5952N 03013E 2
PYORHA-RI ARMS & AMMUNITION PLT 81 PUG	KN 4046N 12633E 2
SARY-SHAGAN ASAT/SPACE TRACKING RADAR FAC	UR 4636N 07431E 1
OLENEGORSK DUAL HEN HOUSE	UR 6806N 03355E 2
GORKIY/SORMOVO RADAR ASBLY & TEST AREA	UR 5619N 04347E 1
TSAGAAN OLOM RADAR SEARCH AREA	MG 4649N 09632E 1
KALININGRAD AMMO DEPOT LADUSHKIN DA 2	UR 5434N 02012E 2
CHOYBALSAN MILITARY COMPLEX	MG 4804N 11430E 2
TINDOUF MILITARY ACTIVITY	AG 2742N 00808W 2
SPASSK-DALNIY TACTICAL SSM SUPPORT FAC	UR 4432N 13251N 1
KALININGRAD TACTICAL SSM SUPPORT FACILITY	UR 5435N 02013E 2

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TOP SECRET

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KH-7 MISSION 4037, 23-30 MAY 67

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[] ULAAN BAATAR COMPLEX

KHABAROVSK RR YARDS AND SHOPS

ZABAYKALSK RR TRANSLOADING YARD

ULAN-UDE RR STATION CLF YARDS A SHOPS

MOSKVA SPACE RESEARCH FACILITY TOMILINO

MG 4755N 10655E 2

UR 4826N 13507E 1

UR 4938N 11719E 1

UR 5150N 10734E 2

UR 5539N 03756E 1

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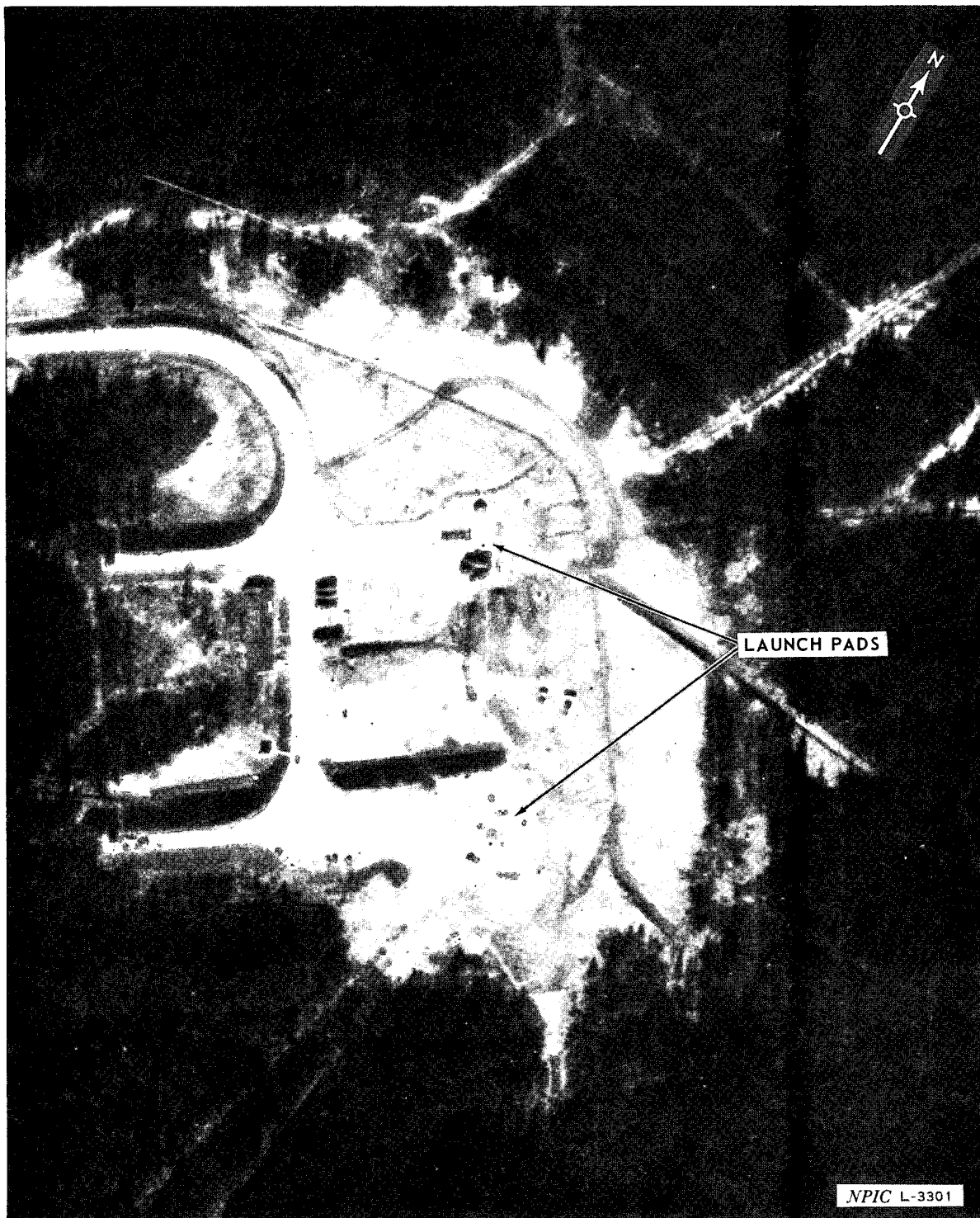
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Attachments

KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 1



PLESETSK ICBM LAUNCH SITE 11, USSR

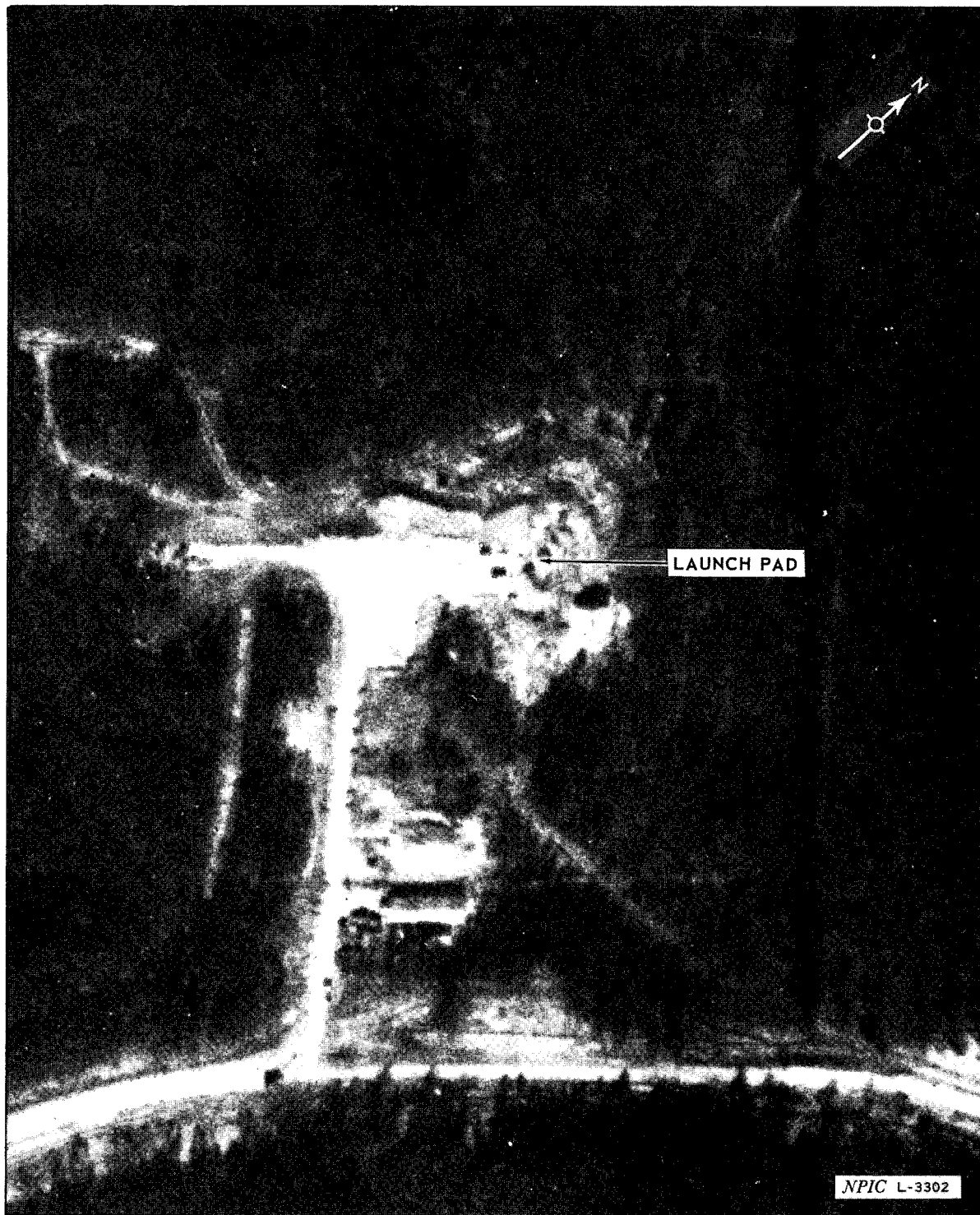
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 2



PLESETSK ICBM LAUNCH SITE 14, USSR ()

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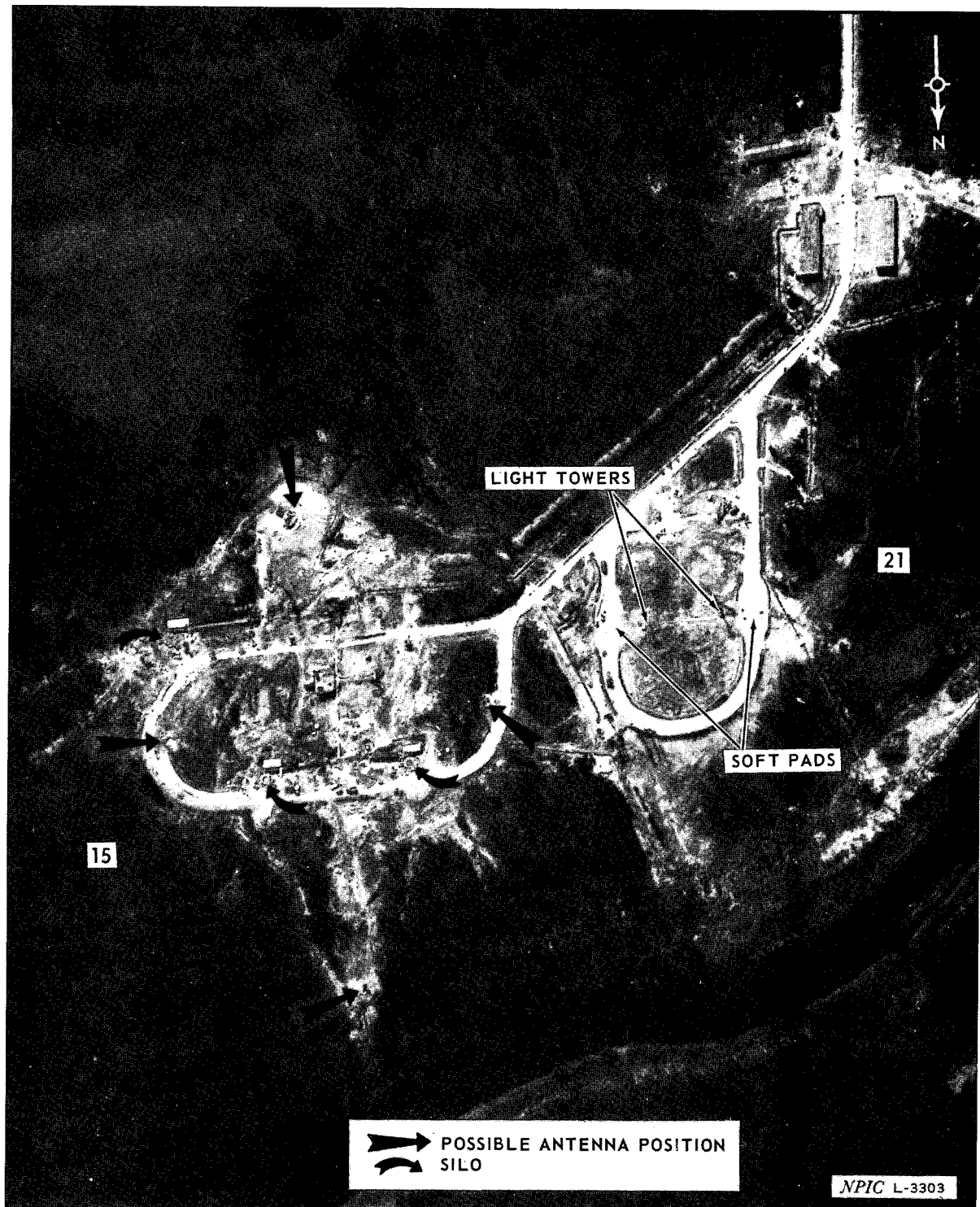
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 3

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PLESETSK ICBM LAUNCH SITES 15 AND 21, USSR

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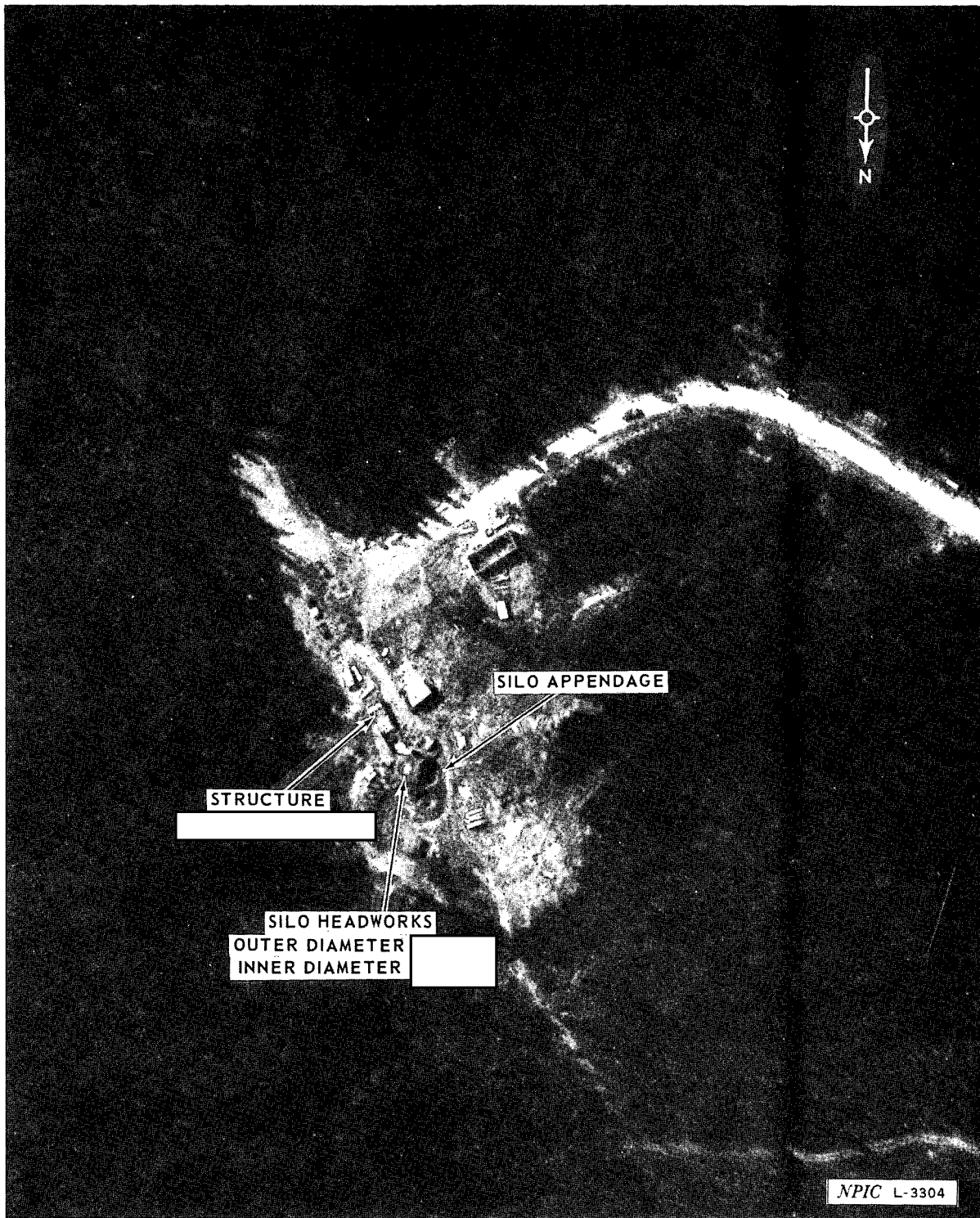
Approved For Release 2005/10/27 : CIA-RDP03-00140R000100010055-1

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 4

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PLESETSK ICBM LAUNCH SITE 17, USSR

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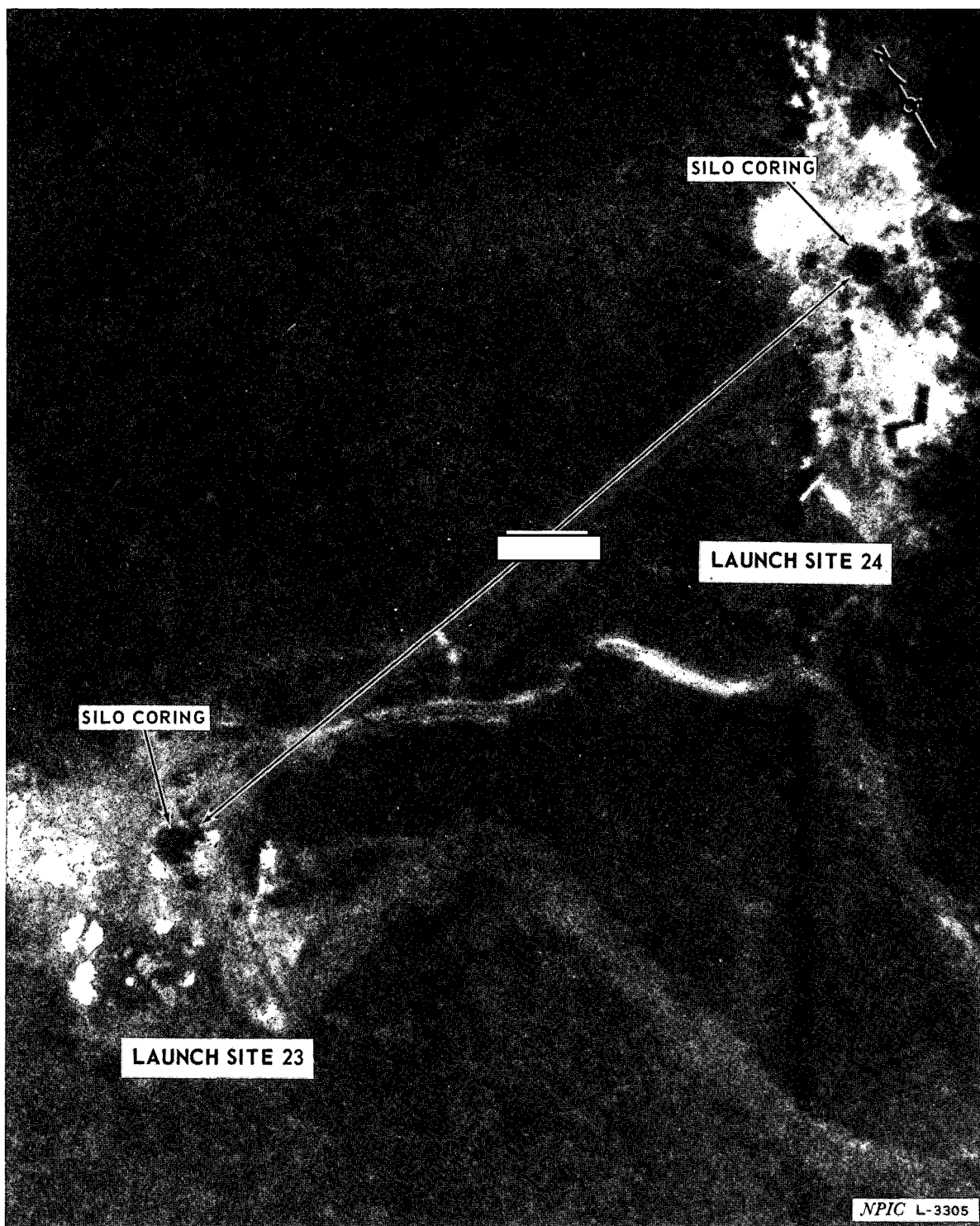
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 5

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PLESETSK ICBM LAUNCH SITES 23 AND 24, USSR

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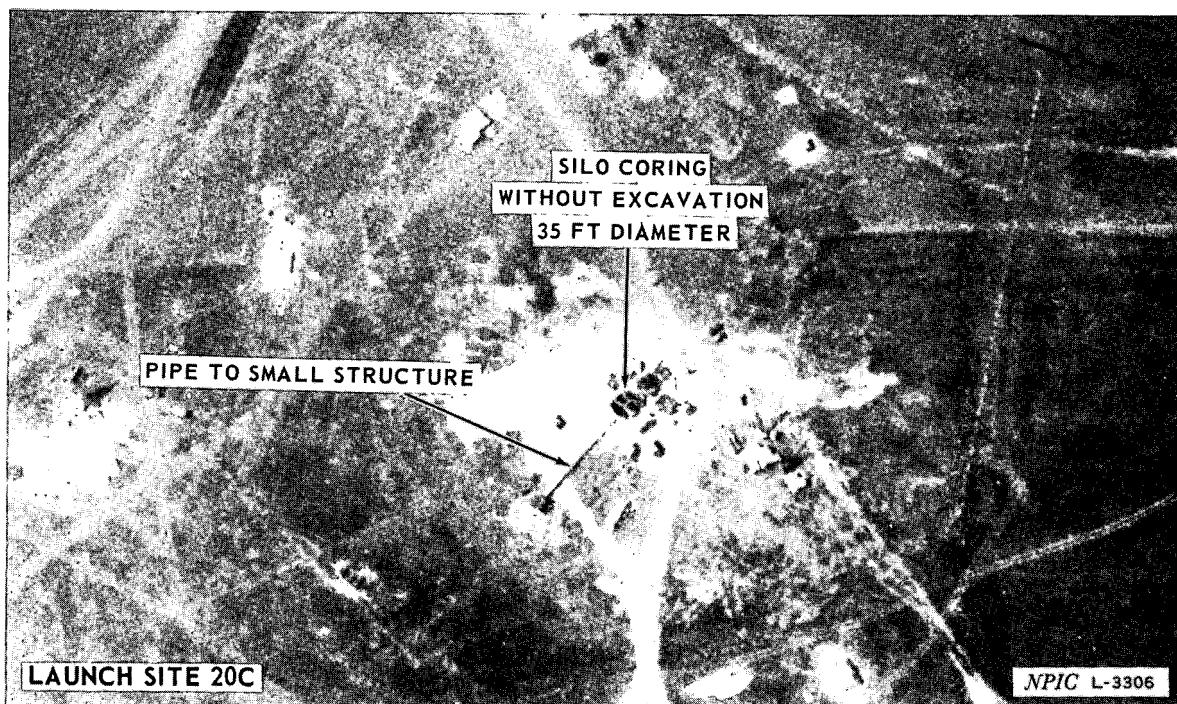
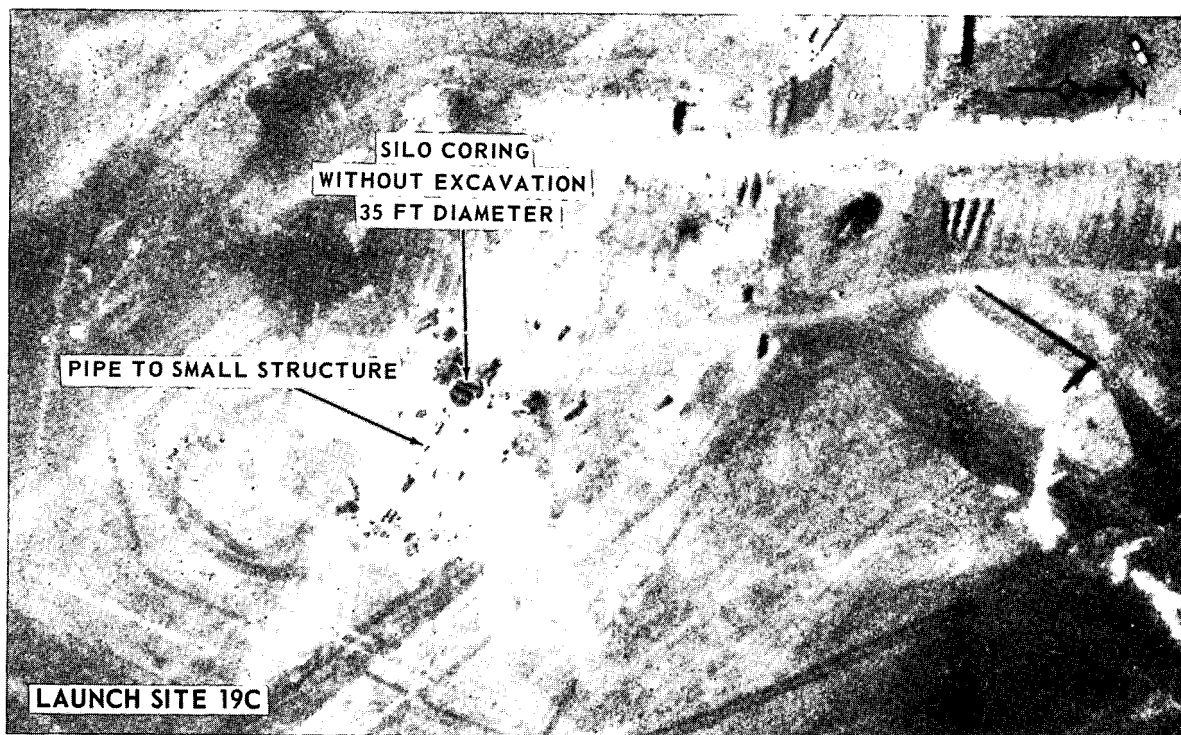
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 6

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ALEYSK ICBM LAUNCH SITES 19C AND 20C, USSR

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 7

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IMENI GASTELLO ICBM LAUNCH SITE 17C

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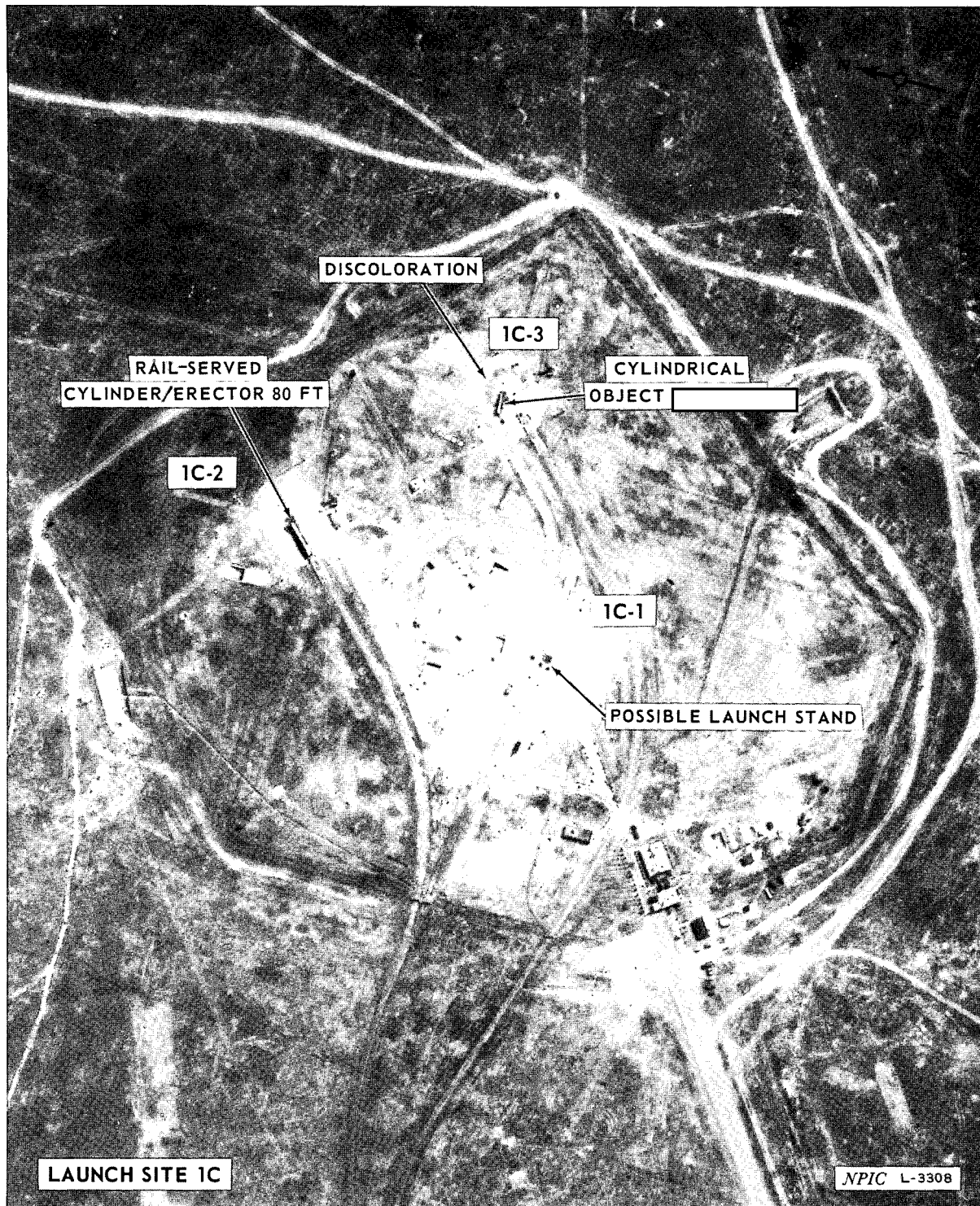
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 8

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LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC L-3308

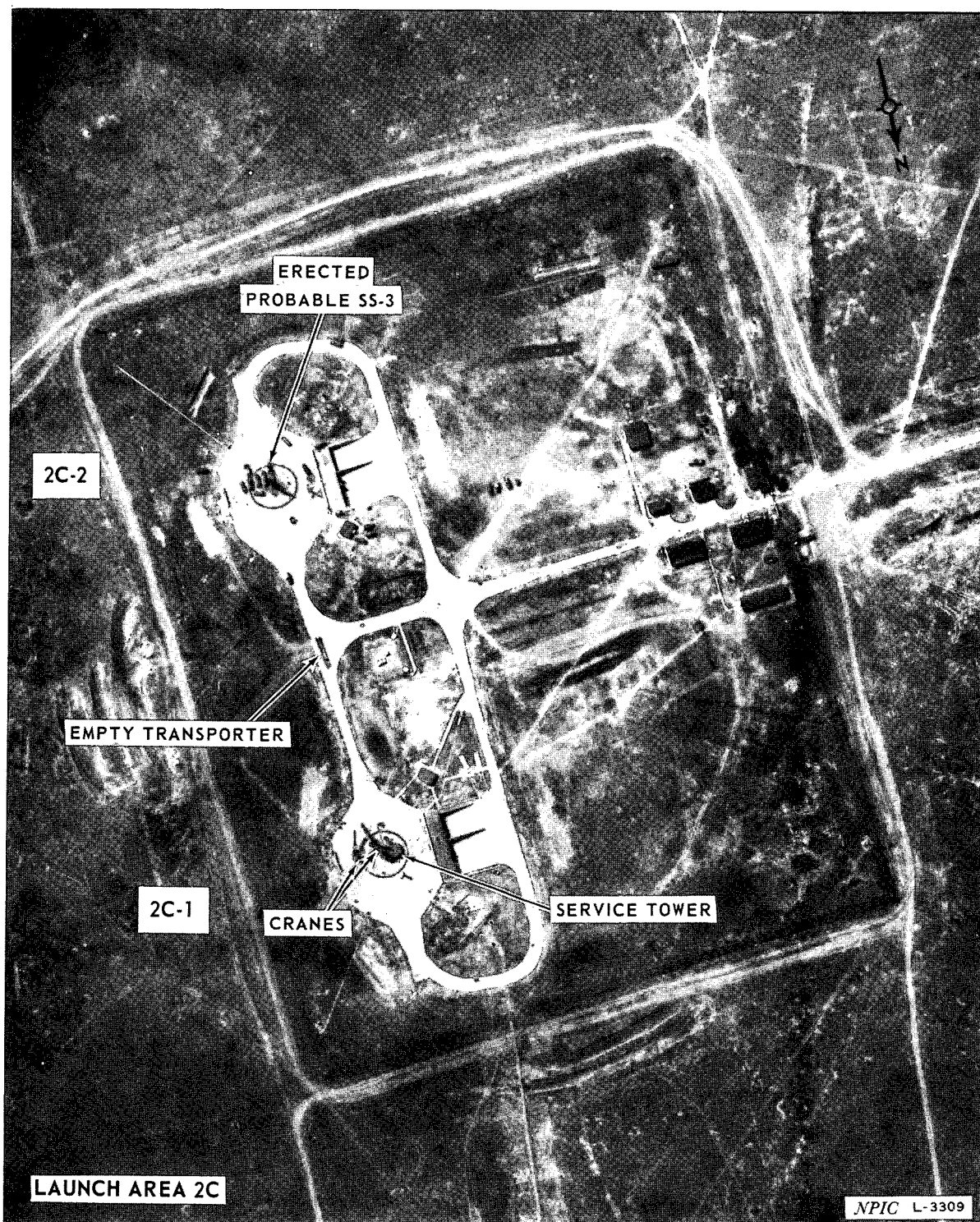
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LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

NPIC L-3309

K1

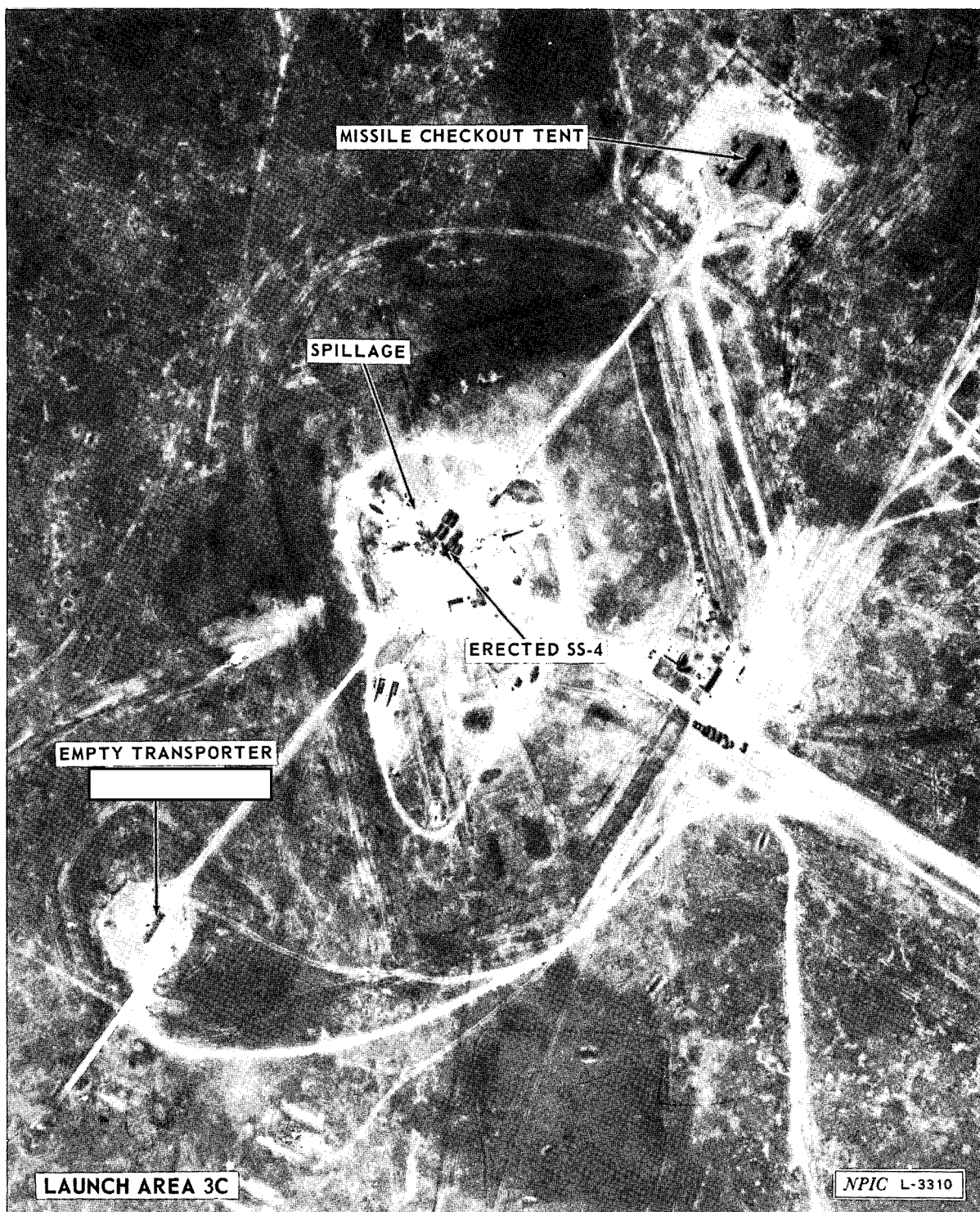
Approved For Release 2005/11/05 : CIA-RDP03-00140R000100010055-1

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 10

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LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR (

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Approved For Release 2005/04/17

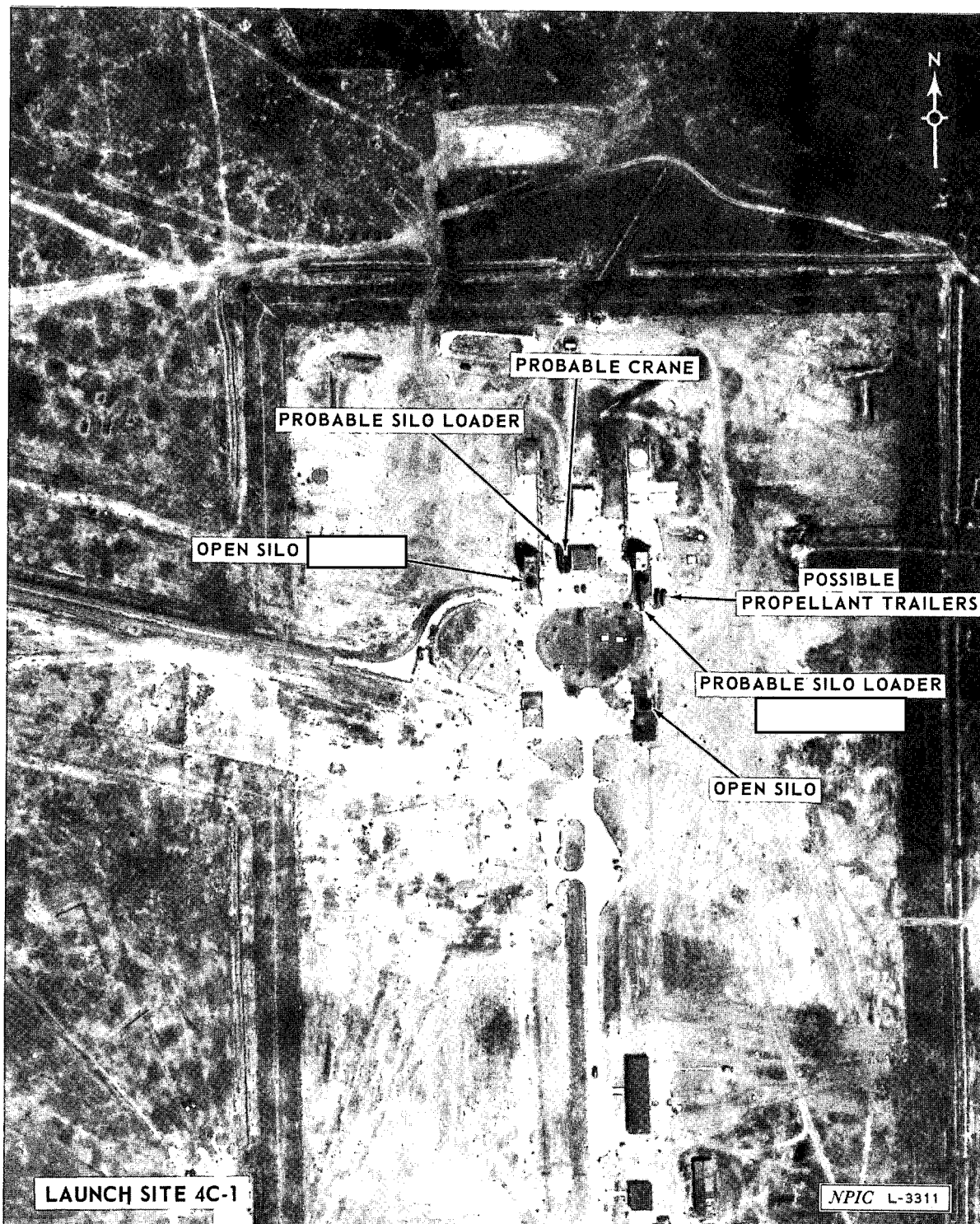
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CIA-RDP03-00140R000100010055-1

KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 11

25X



LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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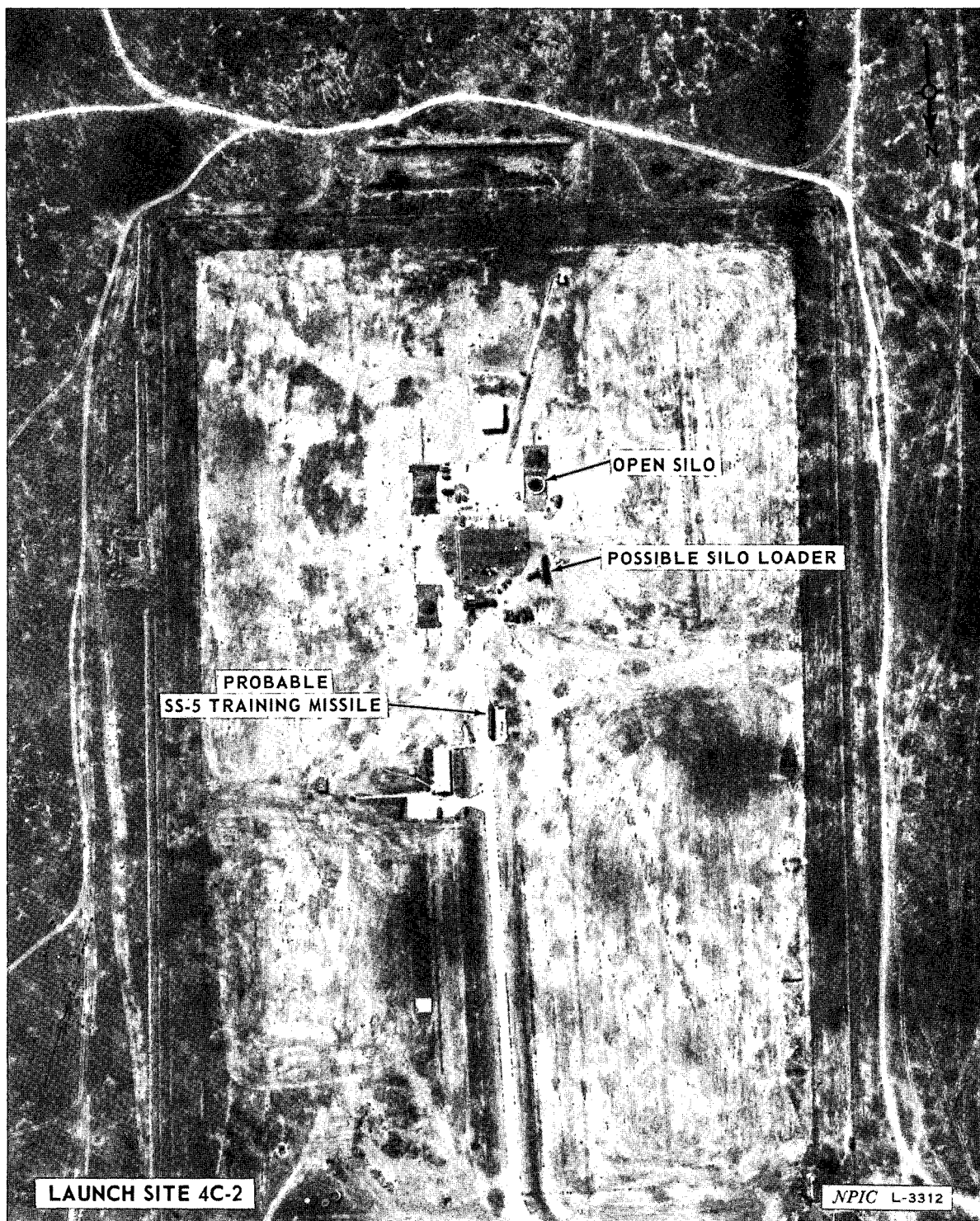
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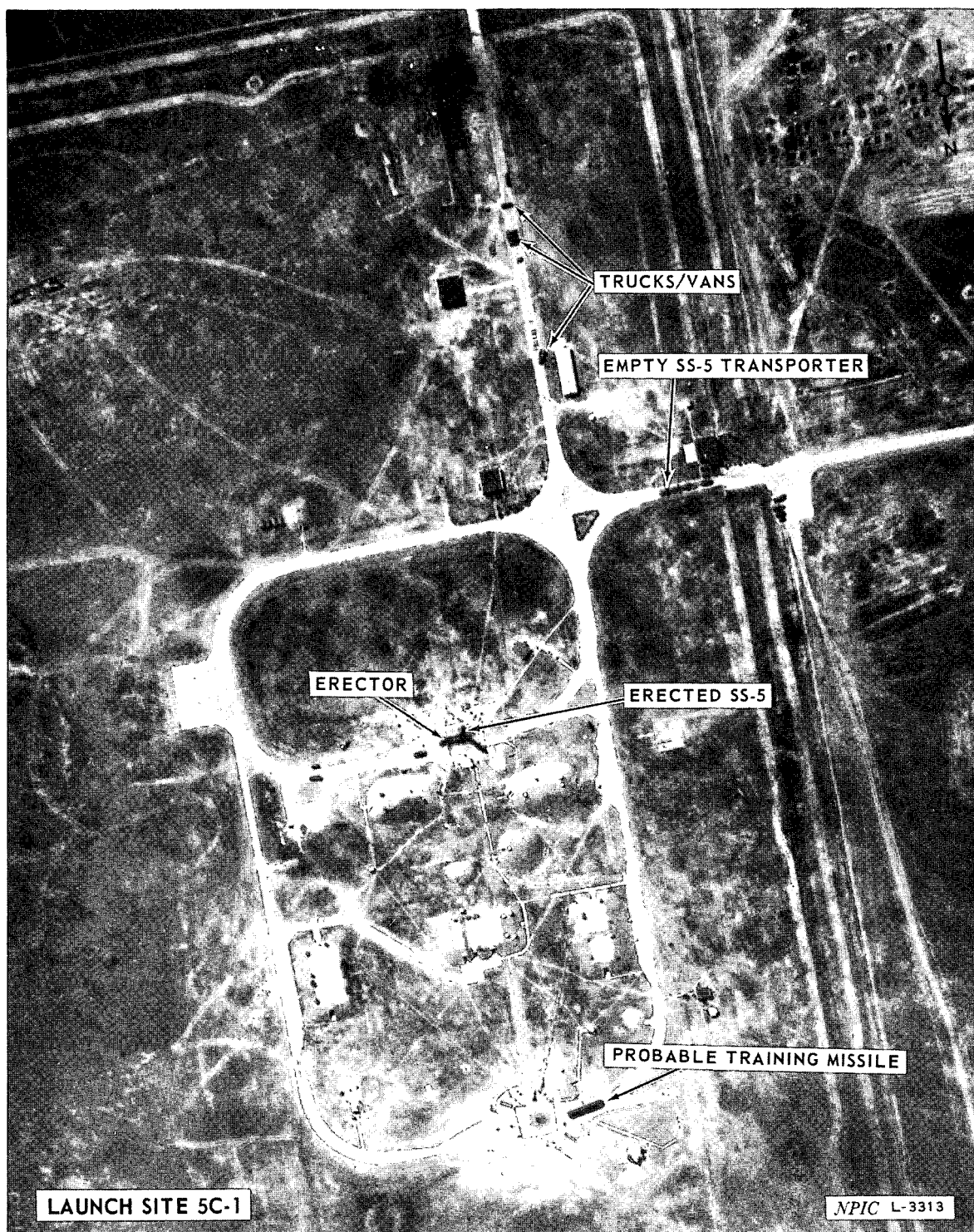
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LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 13



LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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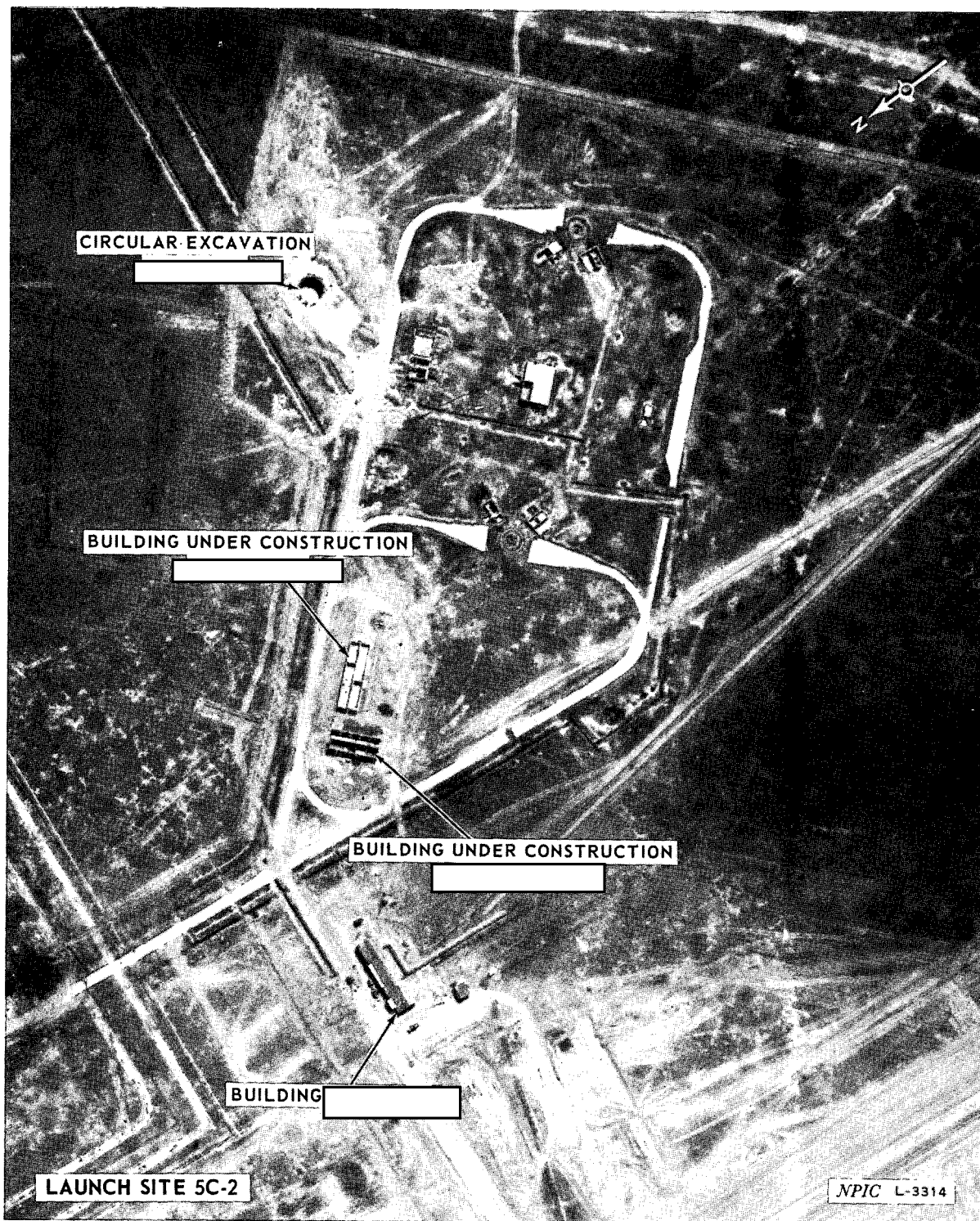
Approved For Release 2005/11/17 : CIA-RDP03-00140R000100010055-1

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 14

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LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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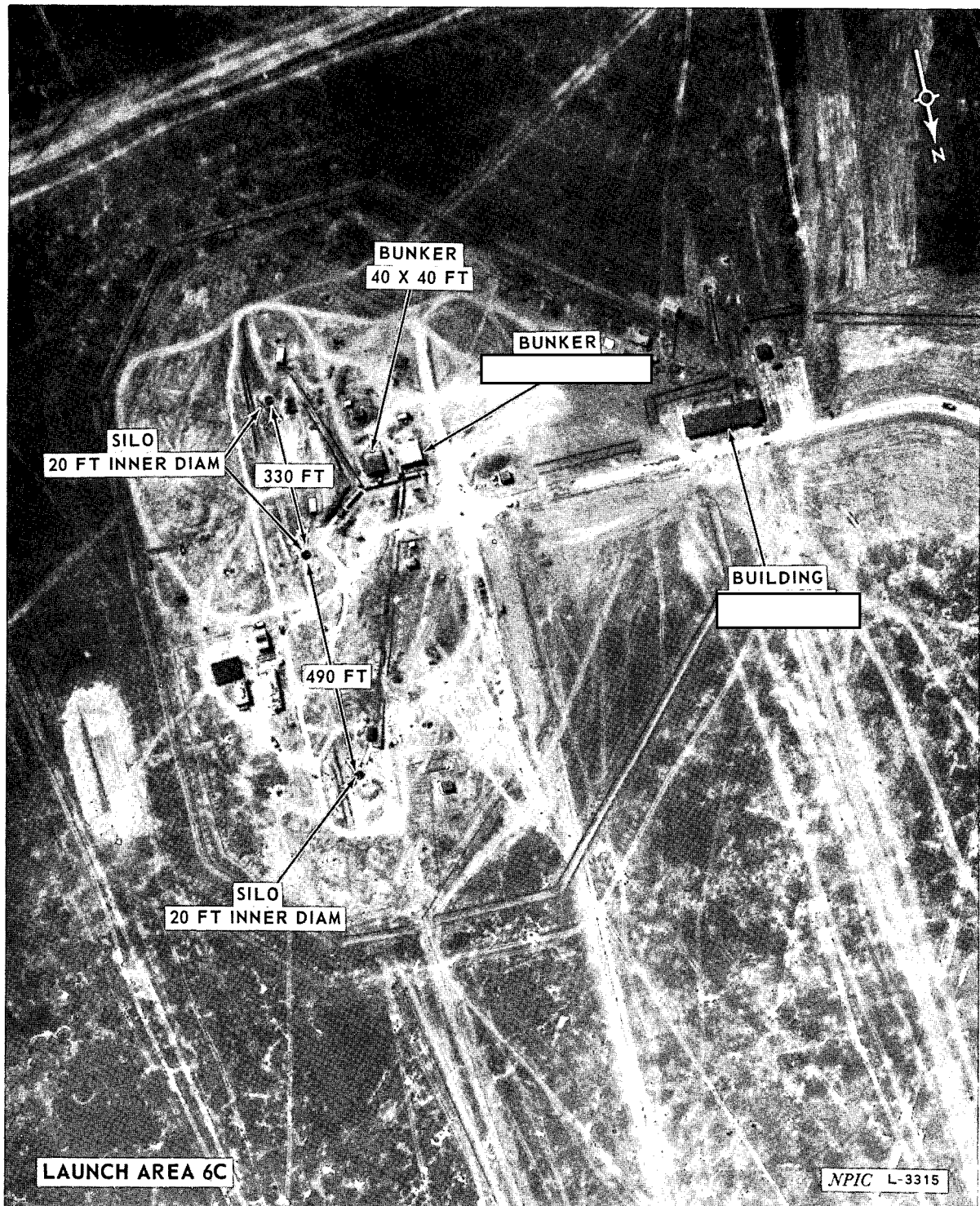
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 15



LAUNCH COMPLEX C, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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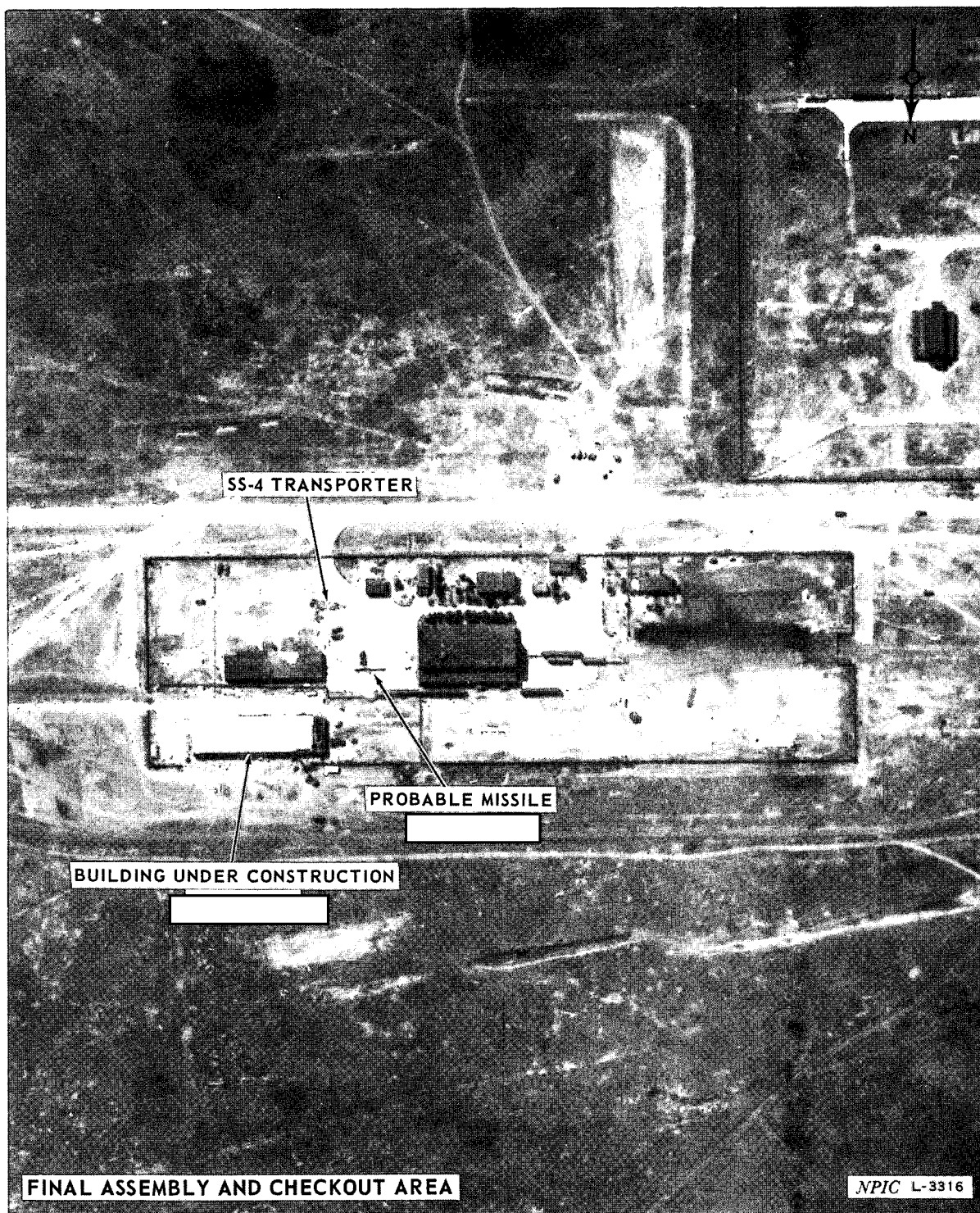
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 16

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SAM LAUNCH COMPLEX, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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Approved For Release 2005/05/17 : CIA-RDP03-00140R000100010055-1

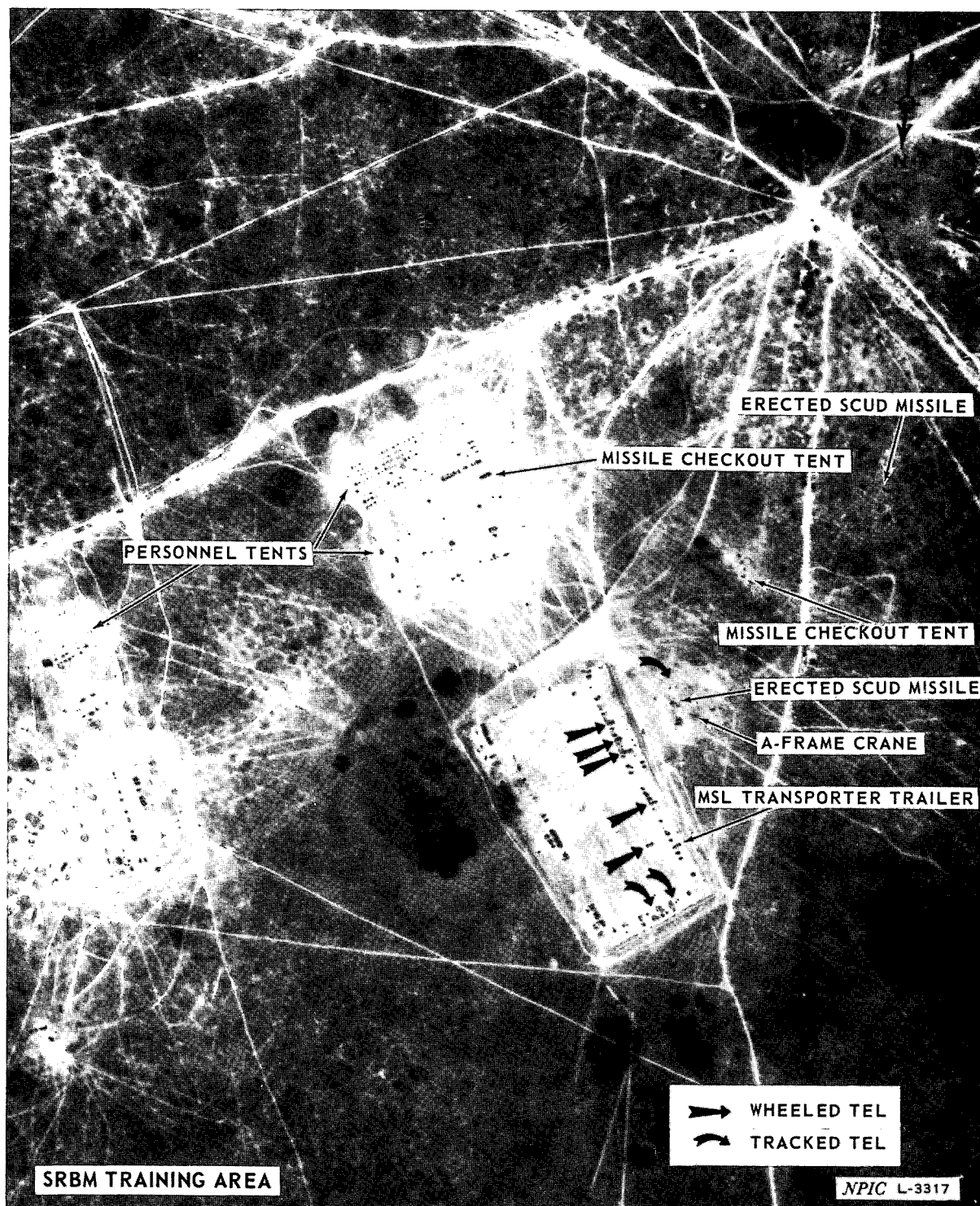
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 17



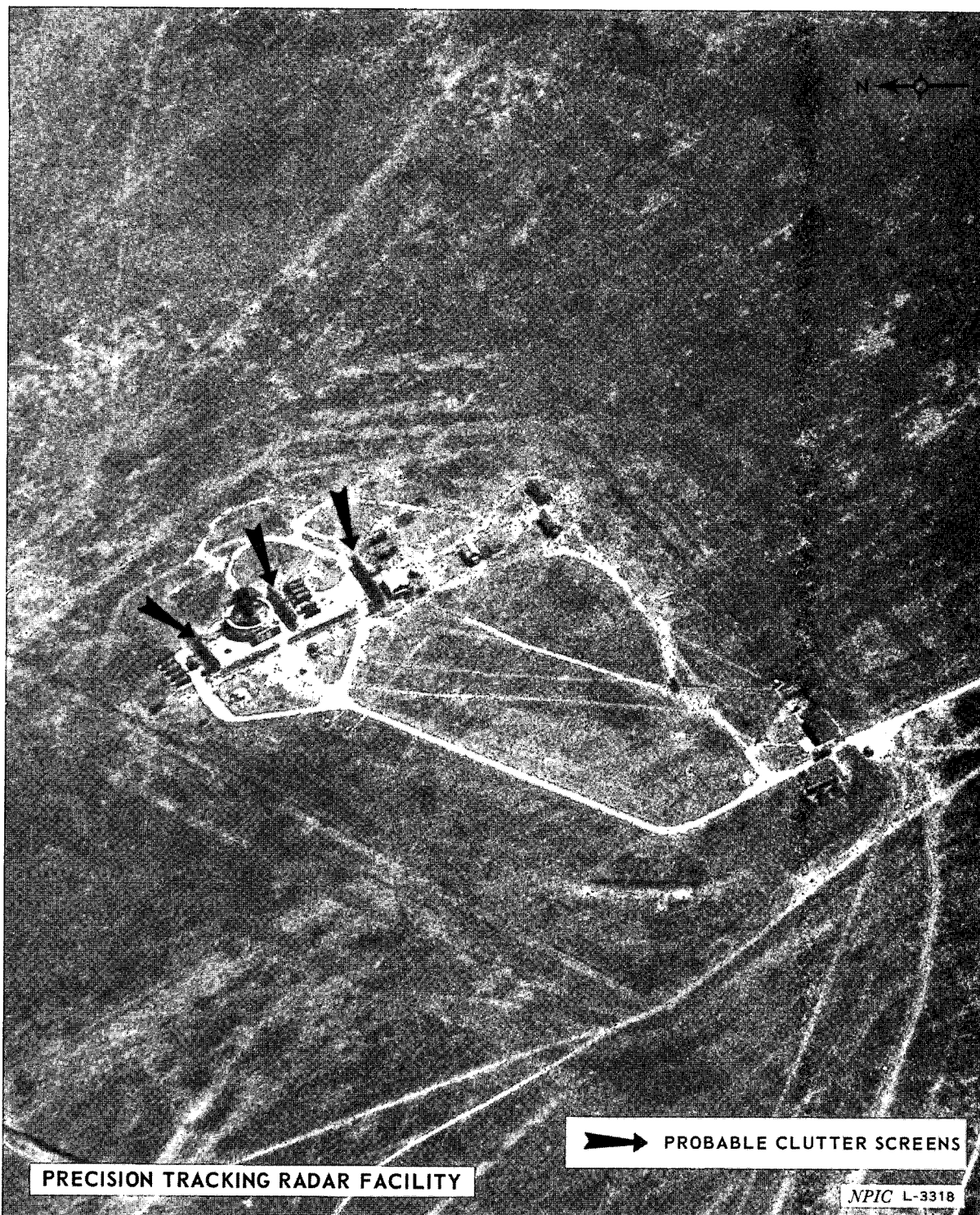
LAUNCH COMPLEX E, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 18



SAM LAUNCH COMPLEX, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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SAM LAUNCH COMPLEX, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

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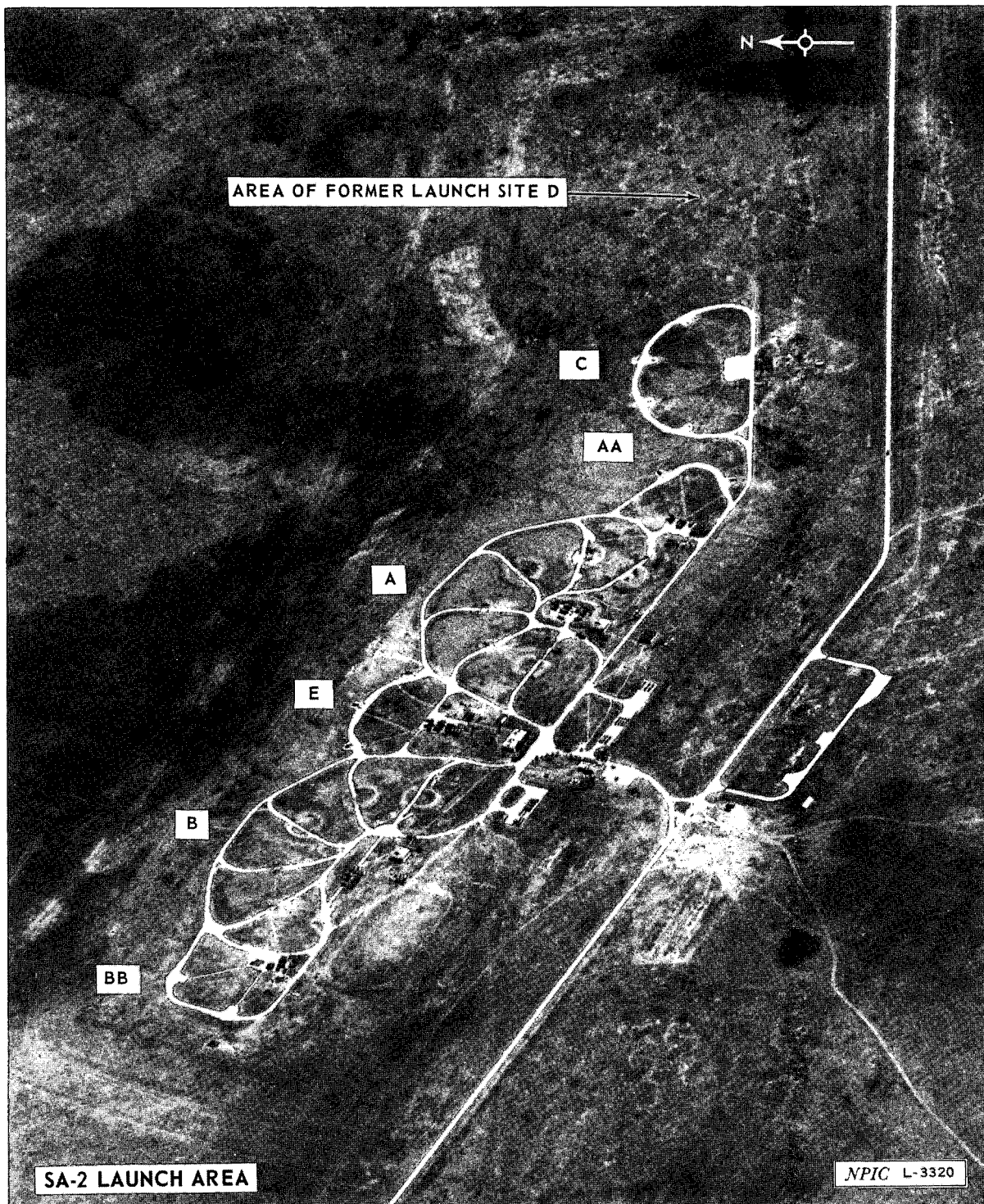
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 19

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KH-7 MISSION 4037, 23-30 MAY 1967

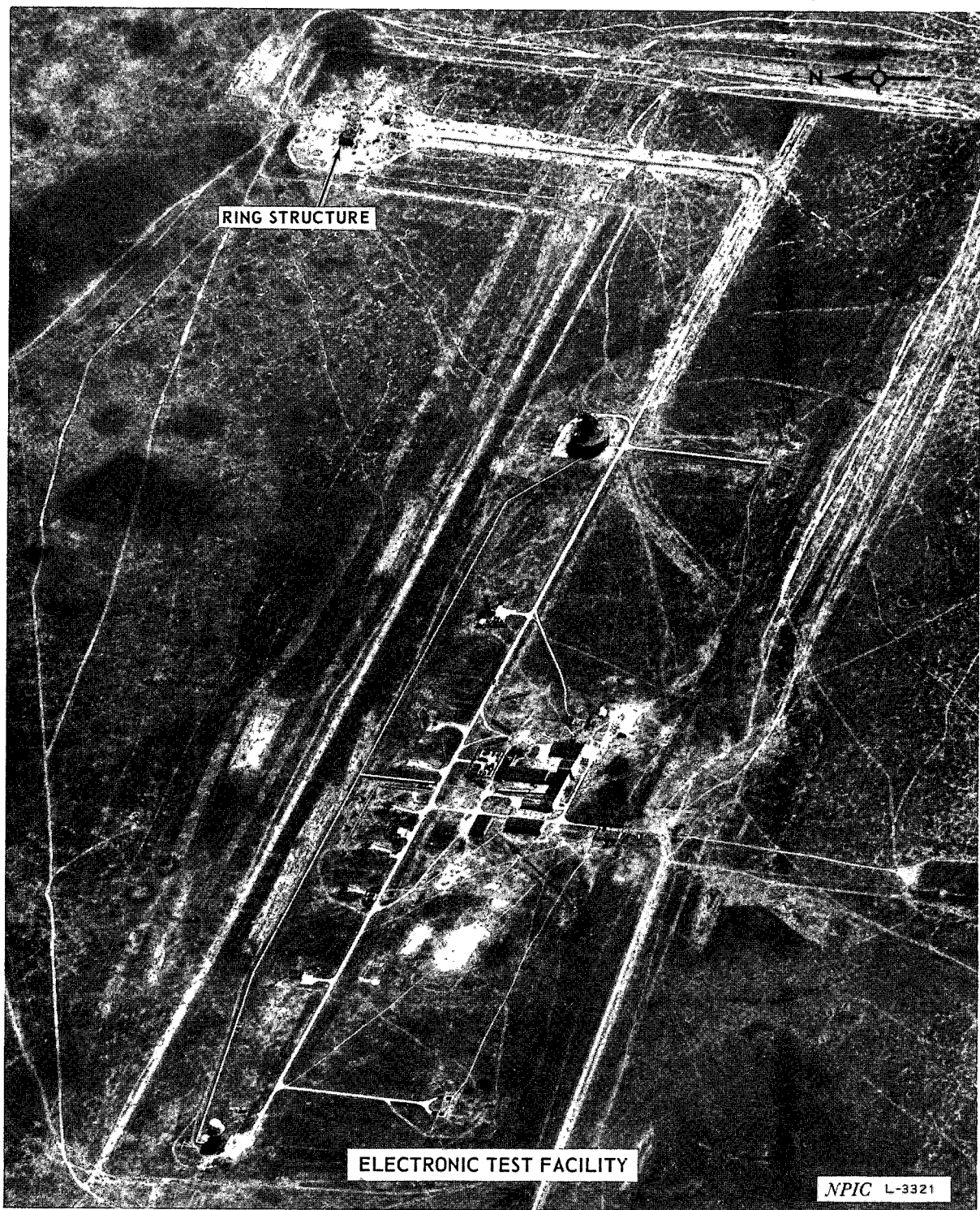
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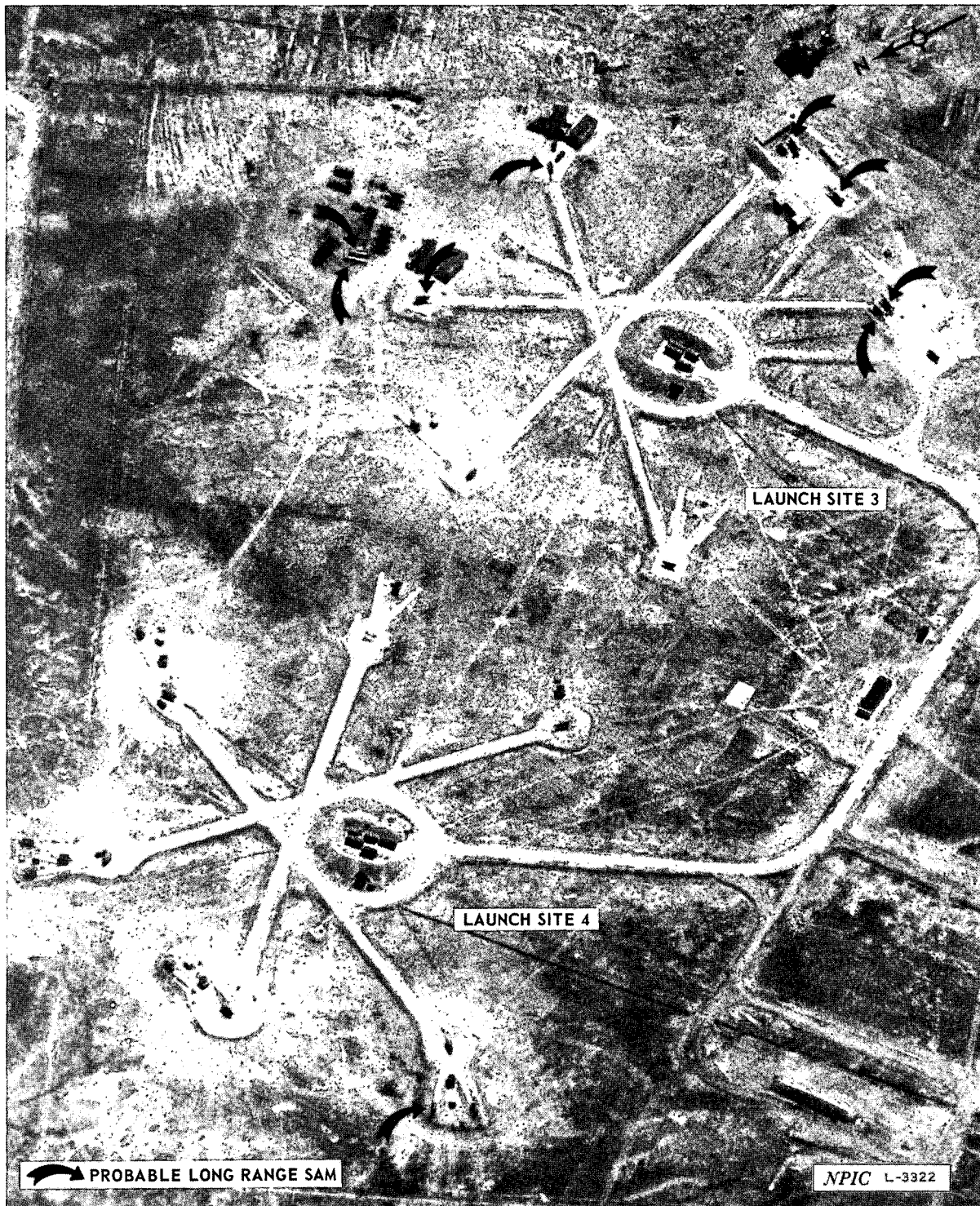
SAM LAUNCH COMPLEX, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 21



SAM LAUNCH COMPLEX, KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER, USSR

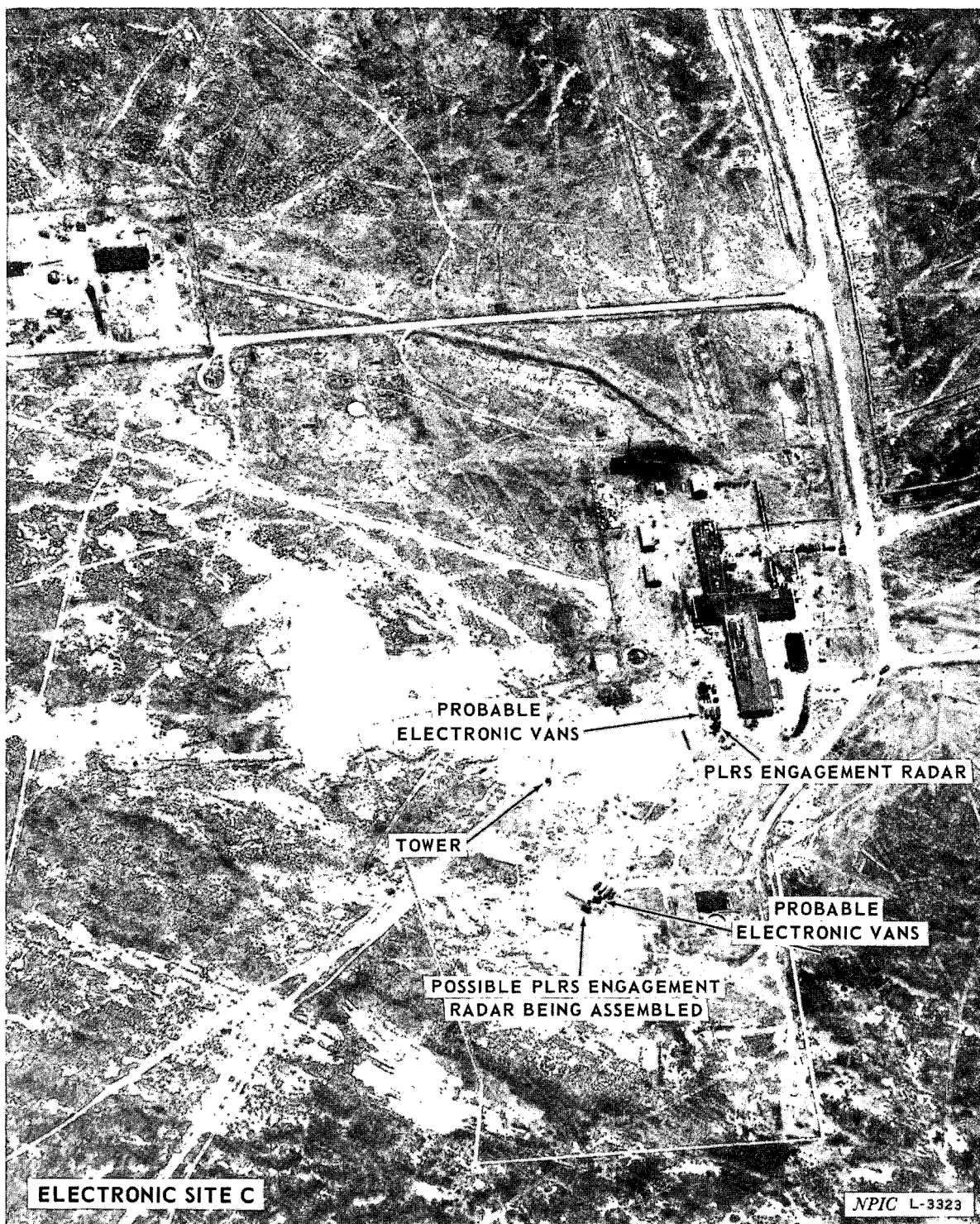


LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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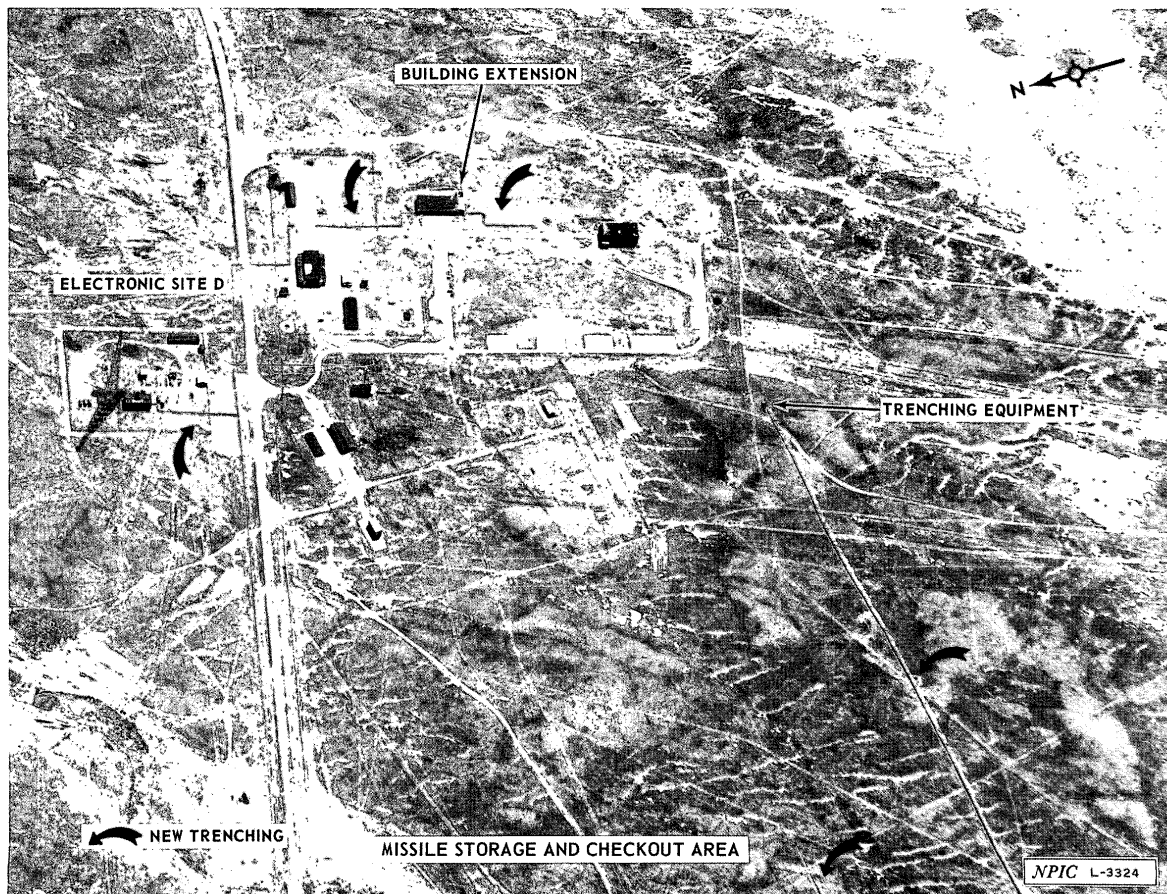
KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 23



LAUNCH COMPLEX A, SARY-SHAGAN ANTIMISSILE TEST CENTER, USSR

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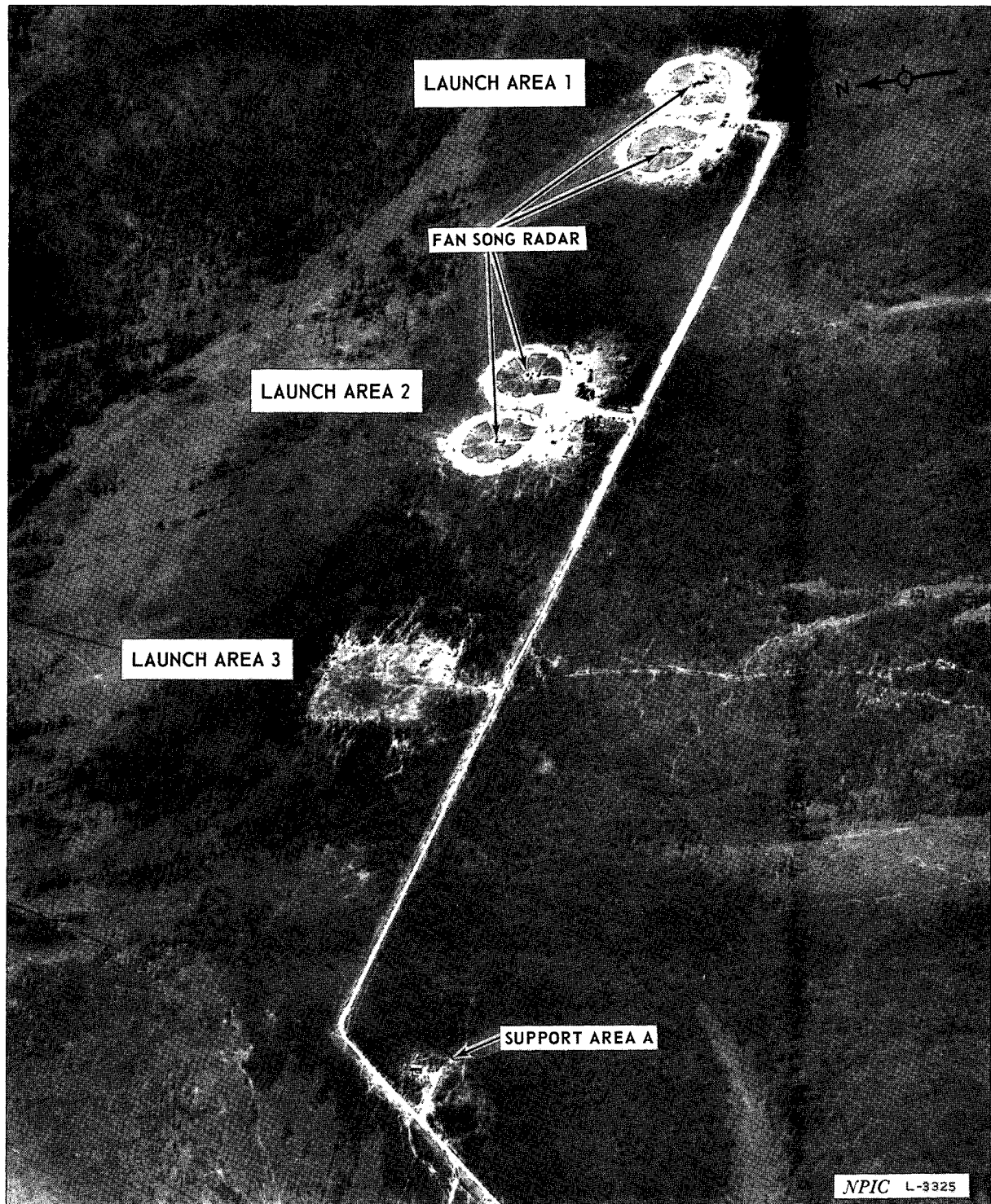
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 24



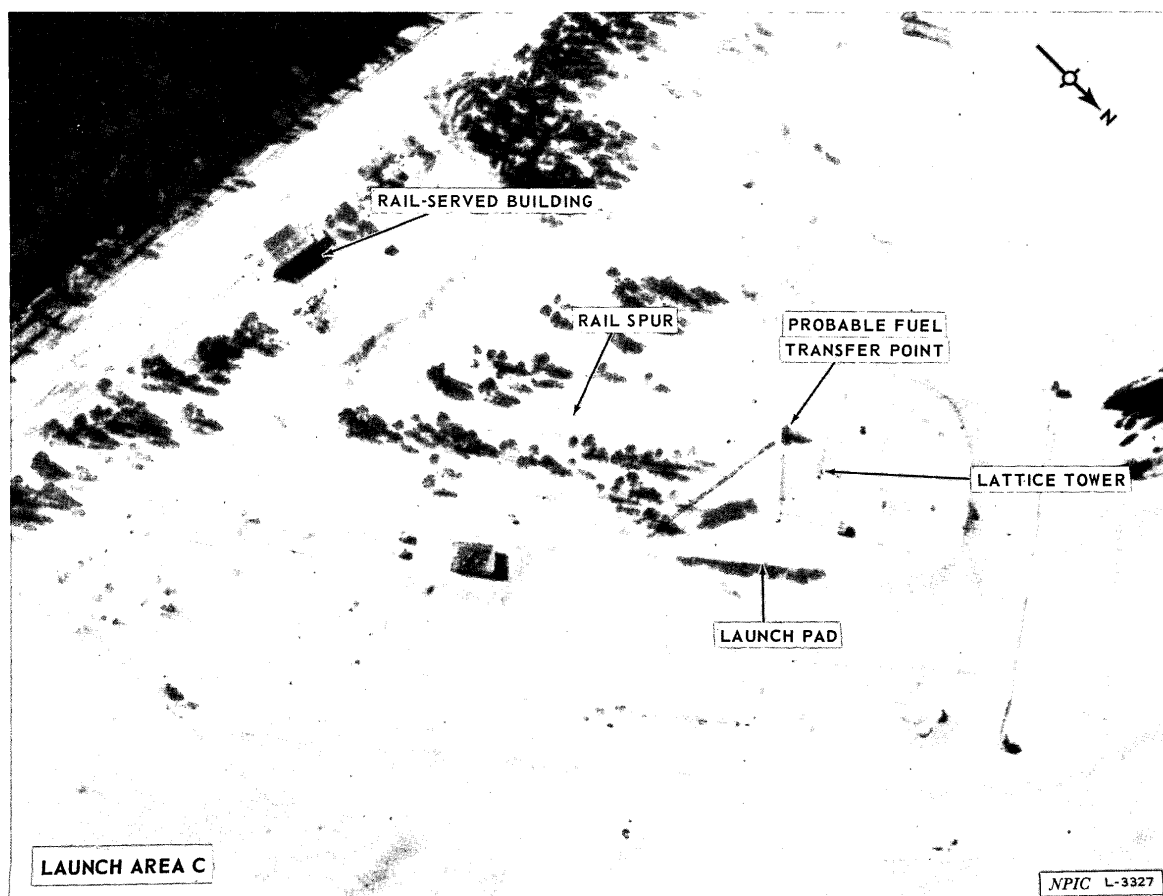
SAM TRAINING FACILITY, ANTIPINSKOYE, USSR

KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 26



SAM TRAINING FACILITY, ANTIPINSKOYE, USSR



MISSILE TEST CENTER, NENOKSA, USSR

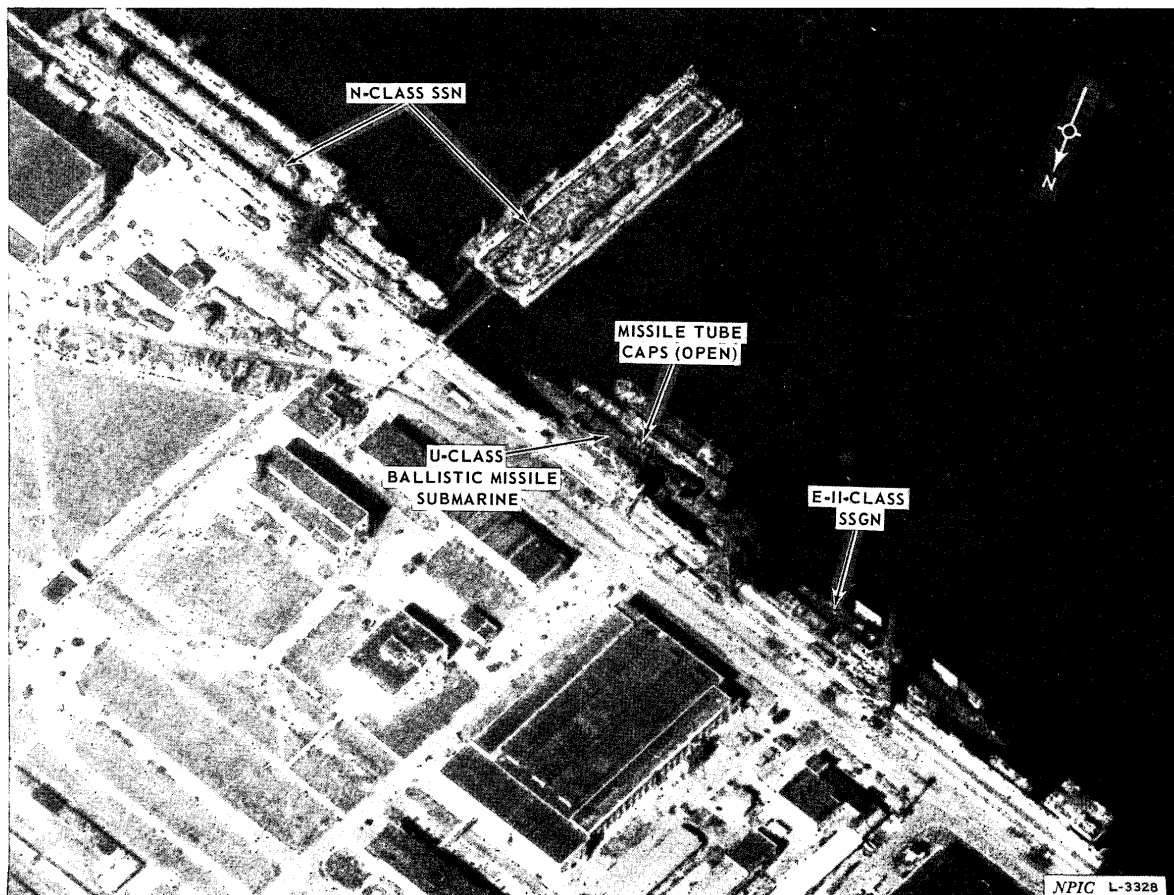
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 27

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NAVAL BASE AND SHIPYARD 402, SEVERODVINSK, USSR

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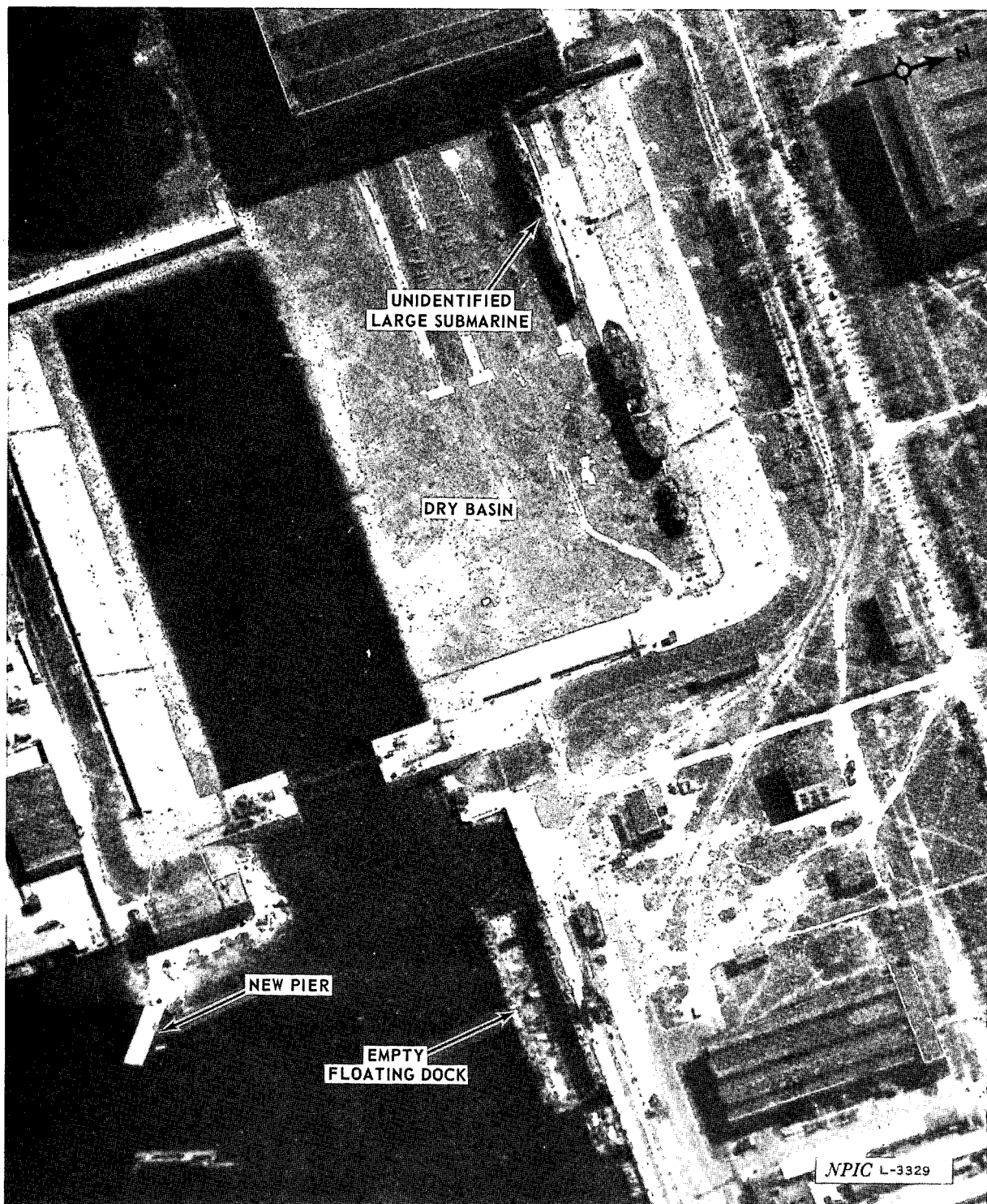
KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 28

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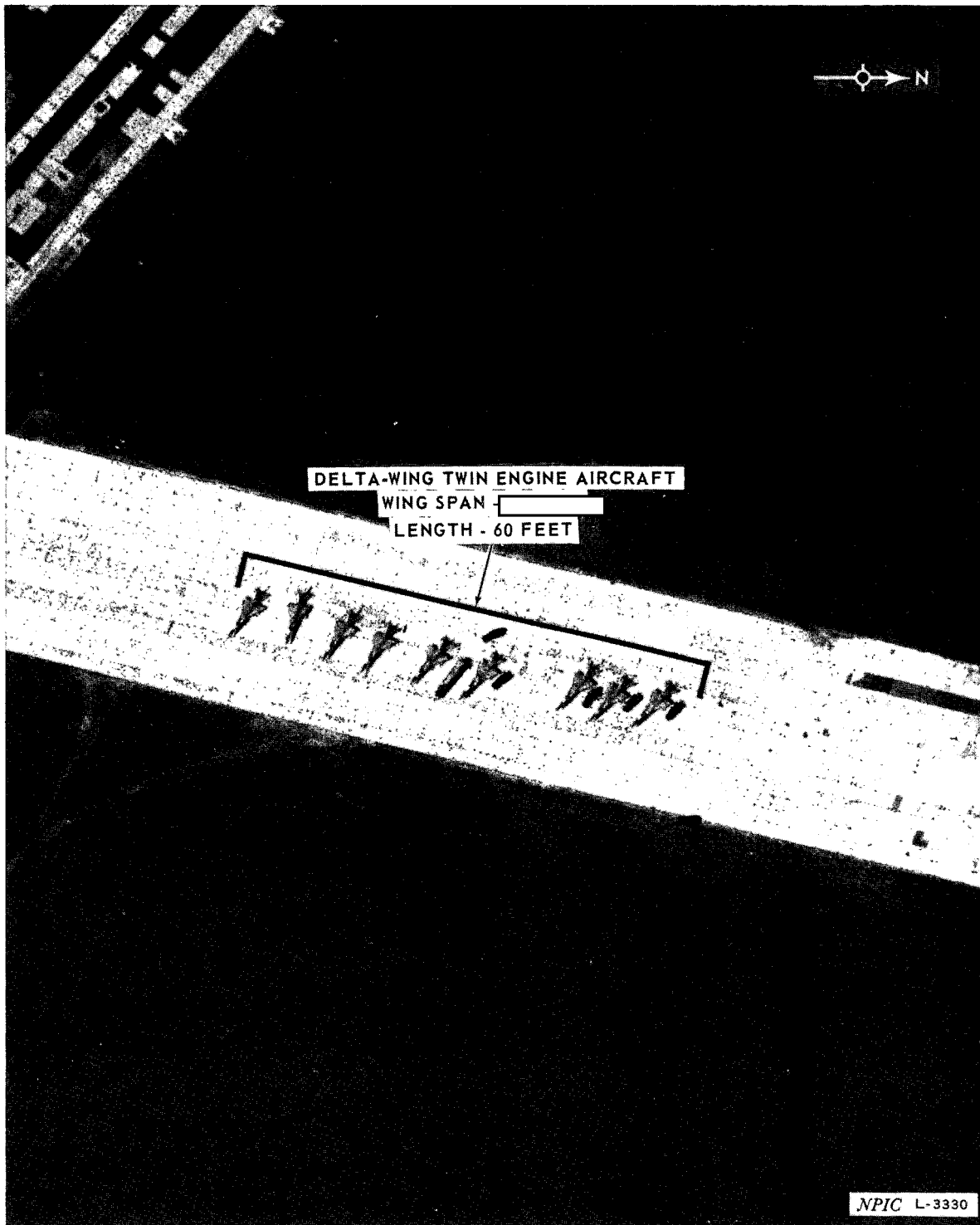
KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 29



NAVAL BASE AND SHIPYARD 402, SEVERODVINSK, USSR

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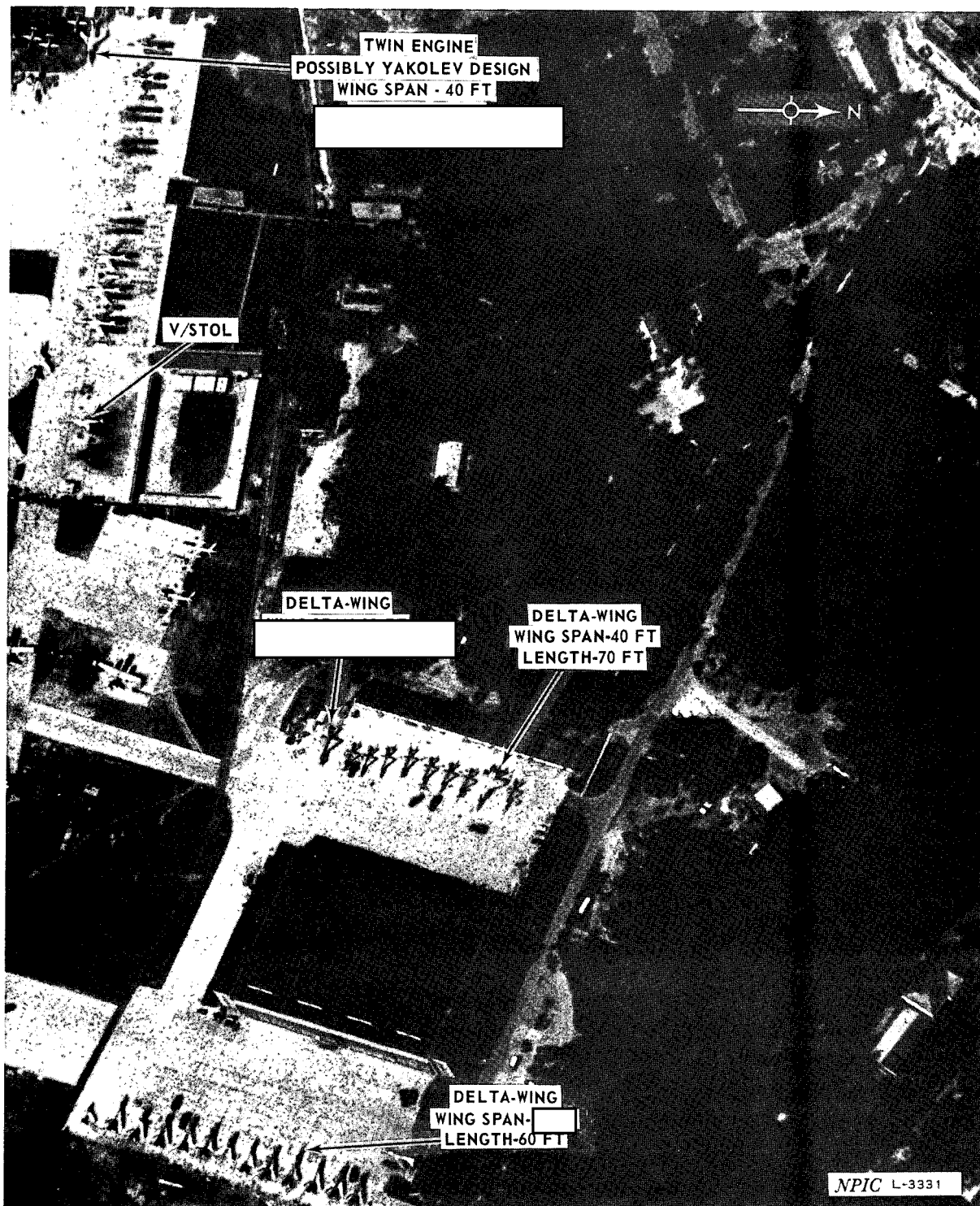


RAMENSKOYE FLIGHT TEST CENTER, USSR [REDACTED]

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RAMENSKOYE FLIGHT TEST CENTER, USSR



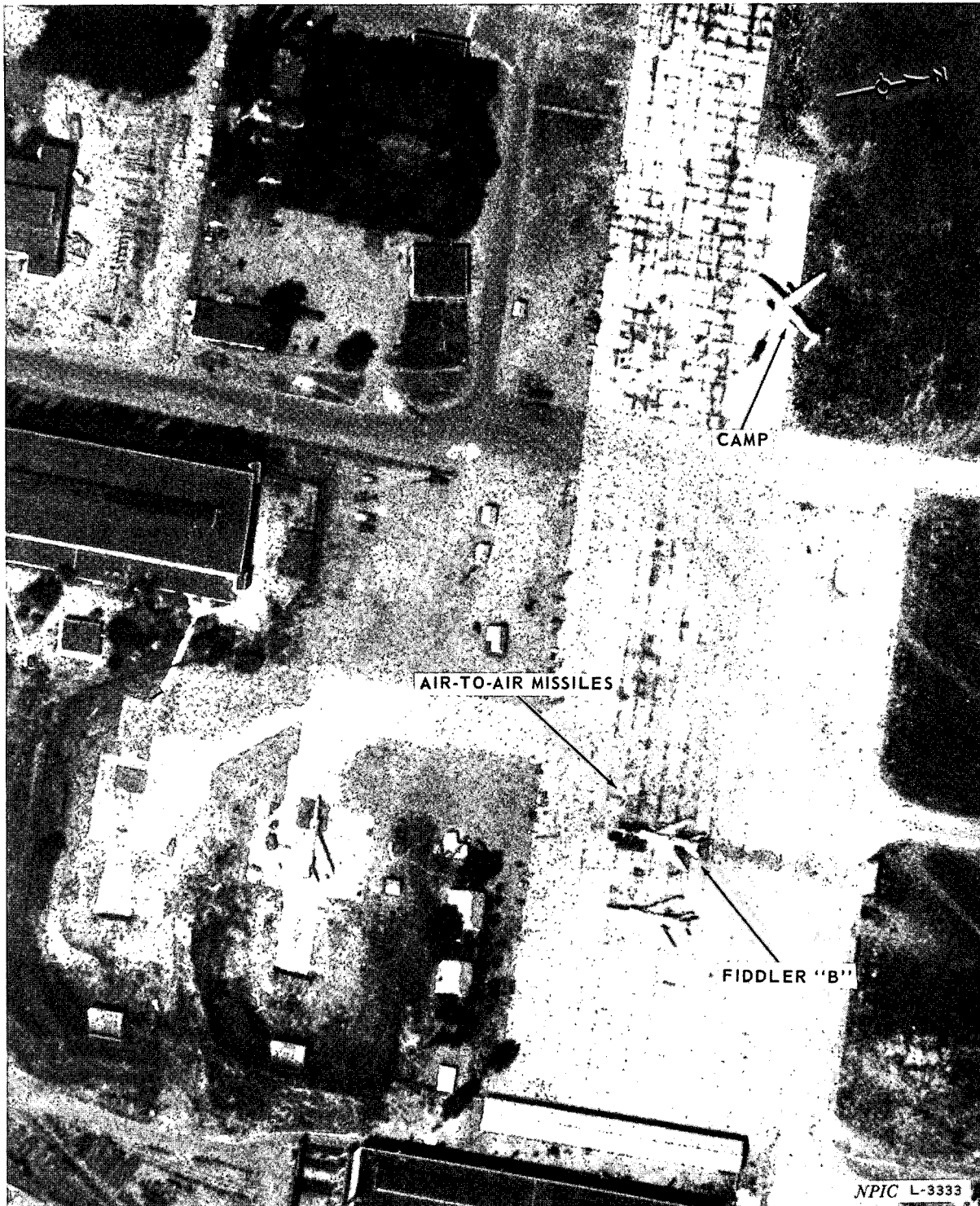
RAMENSKOYE FLIGHT TEST CENTER, USSR

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 33

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VORONEZH AIRCRAFT ASSEMBLY PLANT 64

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 34

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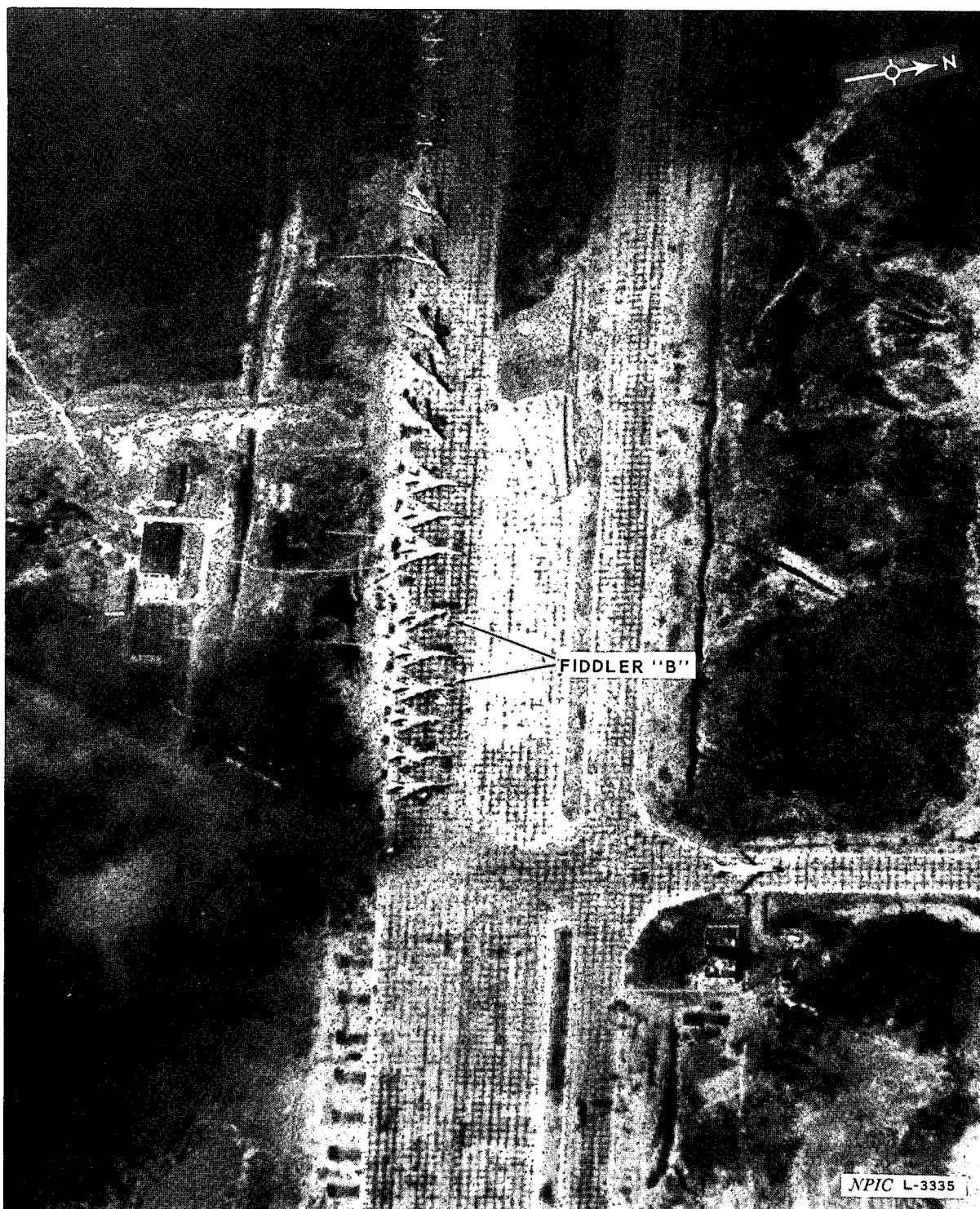
GORKIY/SORMOVO AIRFIELD, USSR (

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ARKHANGELSK/TALAGI AIRFIELD, USSR



SHIPYARD AND HEAVY EQUIPMENT PLANT 112, GORKIY, USSR

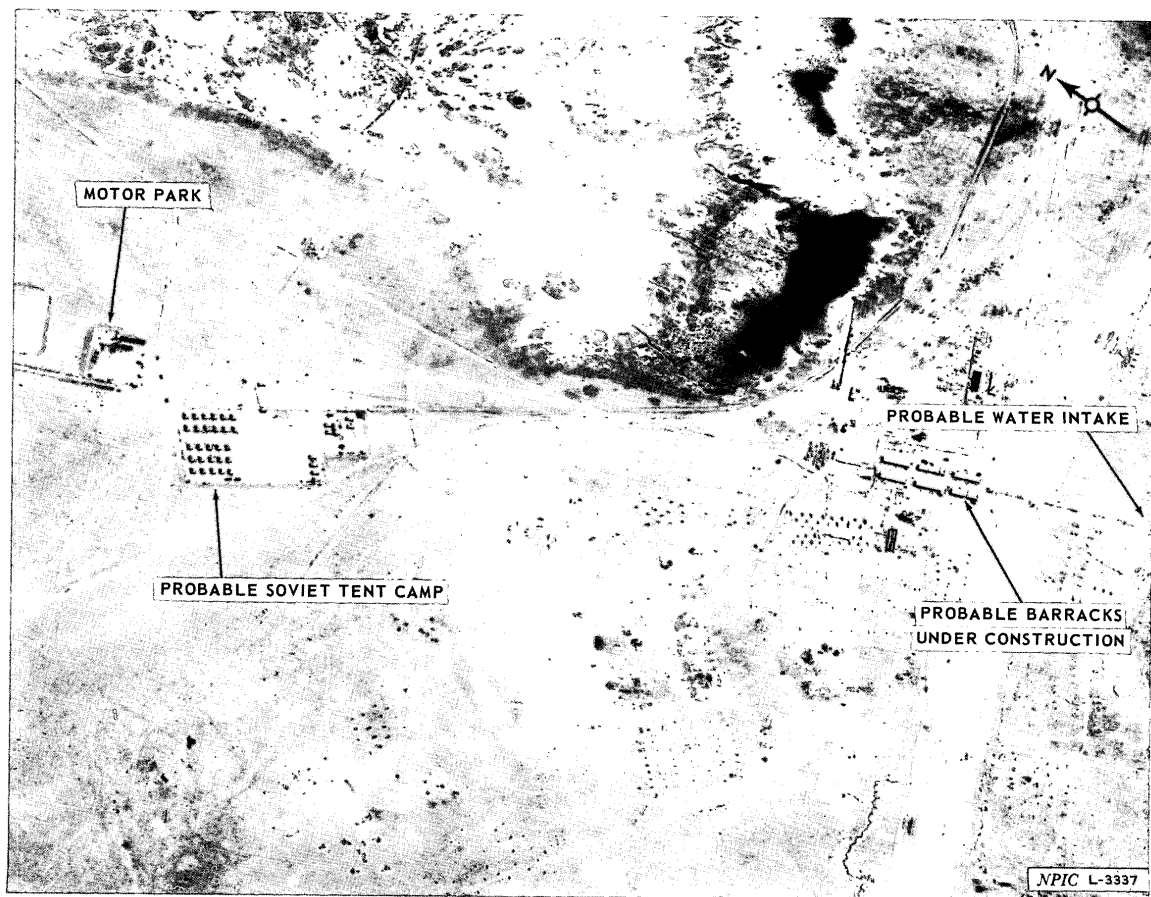
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 36

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MILITARY COMPLEX, CHOYBALSAN, MONGOLIA

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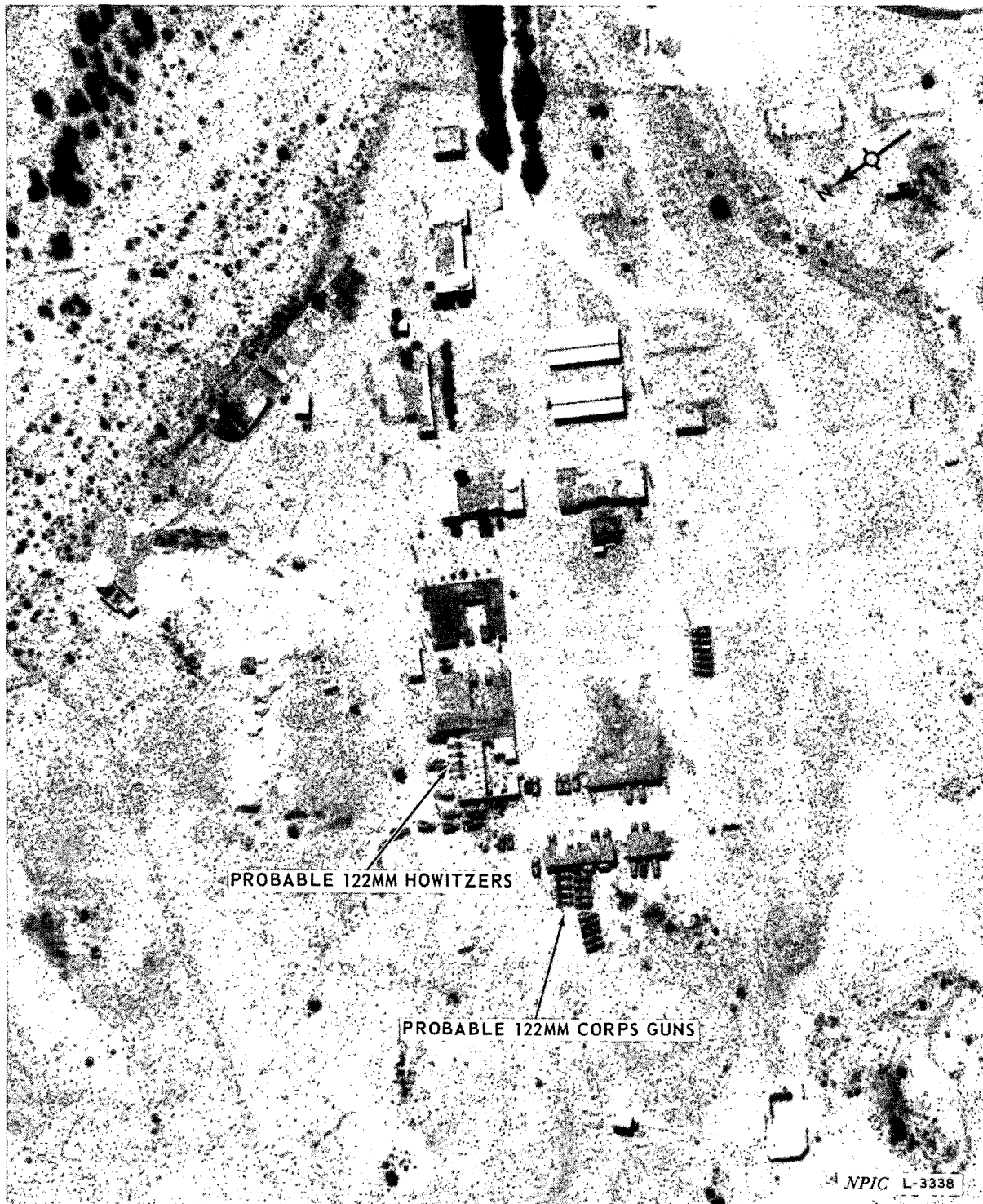
KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 37

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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 38



MILITARY ACTIVITY, TINDOUF, ALGERIA ()

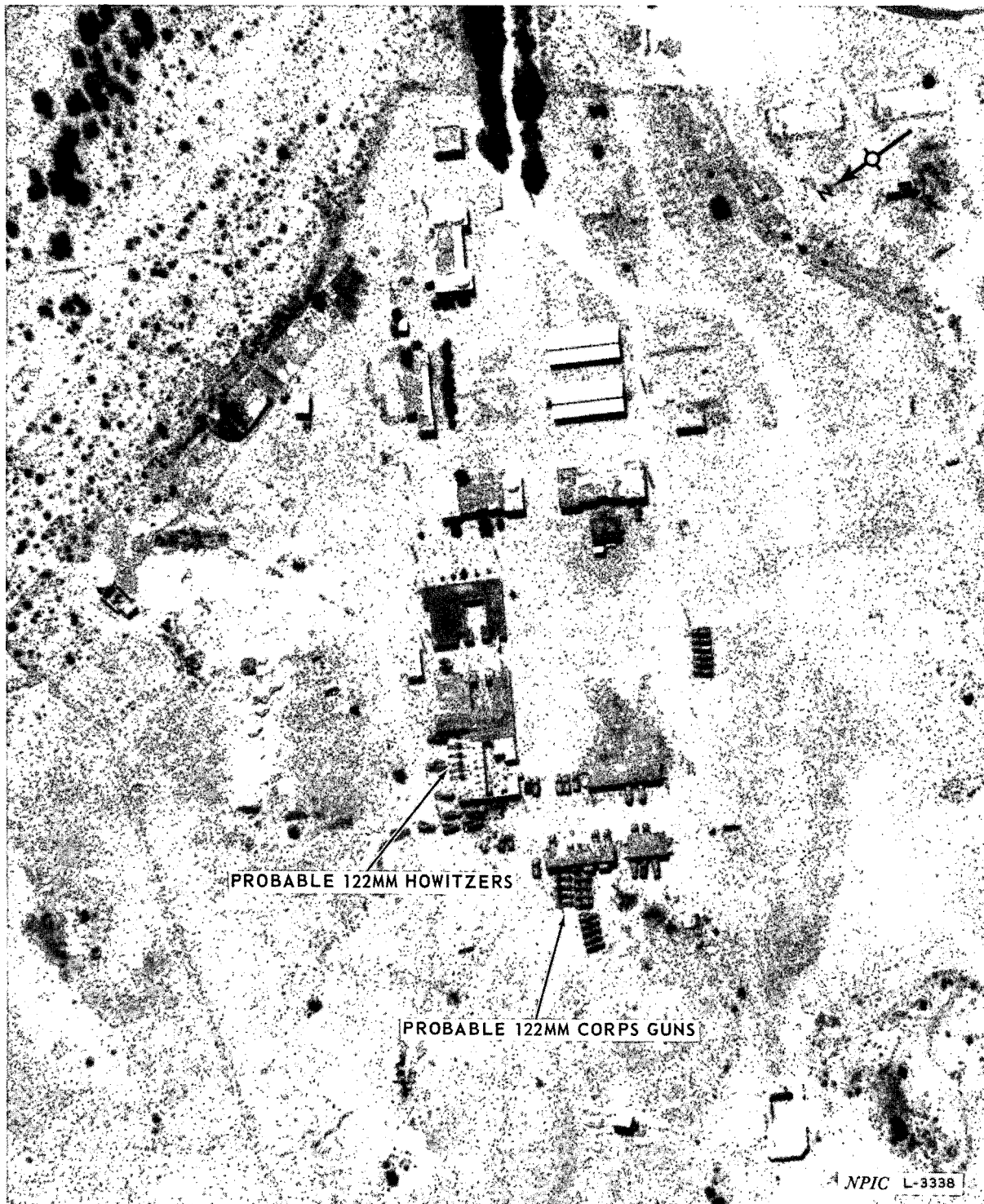
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KH-7 MISSION 4037, 23-30 MAY 1967

ATTACHMENT 38

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MILITARY ACTIVITY, TINDOUF, ALGERIA

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COUNTRY CODES

The following is an alphabetic listing of country codes as compiled from the Basic Encyclopedia. Locations of targets in this report are indicated by the country code preceding the coordinates.

AD Aden	GO Gotland Is.	PK Pakistan (West)
AF Afghanistan	GR Greece	PO Poland
AG Algeria	GV Guinea	PT Portugal
AL Albania	GW West Germany	PU Portuguese Guinea
AM Andaman and Nicobar Is.	HK Hong Kong	QA Qatar
AN Andorra	HU Hungary	RA Rwanda
AO Angola	ID Indonesia	RI Rio Muni
AU Austria	IF Ifni	RK Ryukyu Is.
AZ Azores Is.	IL Iceland	RM Mali
BA Bahrain Is.	IN India	RS Socotra Is.
BK Botswana (Bechuanaland)	IQ Iraq	RU Rumania
BE Belgium	IR Iran	RY Zambia
BH Bornholm Is.	IS Israel	RZ Rhodesia
BI Balearic Is.	IT Italy	SB San Marino
BJ Nanpo Shoto	IV Ivory Coast	SD Sardinia
BM Burma	JA Japan	SE Seychelles Is.
BO Sabah (N. Borneo)	JK Jammu and Kashmir	SF French Somaliland
BS Lesotho (Basutoland)	JO Jordan	SG Sarawak
BT Bhutan	KE Kenya	SI Sicily
BU Bulgaria	KN North Korea	SJ Society Is.
BW Berlin, West	KS South Korea	SK Senegal
BX Brunei	KU Kuwait	SL Sierra Leone
BY Burundi	LA Laos	SM Somali Republic
CA Canary Is.	LC Laccadive Is.	SP Spain
CB Cambodia	LE Lebanon	SR Saudi Arabia
CD Central African Republic	LI Liberia	SS Spanish Sahara
CE Ceylon	LS Liechtenstein	ST Sao Tome E Principe
CG Chad	LX Luxembourg	SU Sudan
CH China	LY Libya	SV Svalbard
CL Caroline Is.	MA Malagasy Republic	SW Sweden
CM Cameroon	MC Macao	SY Syria
CP Congo (Brazzaville)	MD Madeira Is.	SZ Switzerland
CR Crete	MF Malaysia	TA Tanzania
CT Corsica	MG Mongolia	TC Trucial States
CV Cape Verde Is.	ML Malta	TH Thailand
CX Congo (Leopoldville)	MN Monaco	TI Tibet
CY Cyprus	MO Morocco	TK Turkey
CZ Czechoslovakia	MR Mascarene Is.	TM Portuguese Timor
DA Dahomey	MT Mauritania	TO Togo
DE Denmark	MV Maldive Is.	TU Tunisia
DO Dodecanese Is.	MZ Mozambique	TW Taiwan
EG Egypt	NE Netherlands	UA Republic of South Africa
EP Pakistan (East)	NI Nigeria	UG Uganda
ET Ethiopia	NK Niger	UR USSR
FI Finland	NO Norway	UV Upper Volta
FO Faeroe Is.	NP Nepal	VN North Vietnam
FR France	NS Surinam	VS South Vietnam
GA Gambia	NW New Guinea	VT Vatican City
GC Gabon	NY Malawi	WA Swaziland
GE East Germany	NZ New Zealand	YE Yemen
GH Ghana	OM Muscat Oman	YU Yugoslavia
GI Gibraltar	PI Philippines	

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